Multi-step equations - fractions

Solve each equation.

1) $-1\frac{5}{6}b + 3\frac{5}{6}b = \frac{1}{6} + \frac{11}{6}b$

2) $\frac{113}{20} - 1\frac{1}{4}v = v + \frac{8}{5}$

3) $1\frac{29}{45} + \frac{2}{5}x = -1\frac{1}{2}x + 1\frac{1}{3} + 2\frac{5}{6}x$

4) $-\frac{7}{3}n + 1\frac{1}{6}n - 2\frac{7}{18} = \frac{7}{4}n + 1\frac{1}{2}$

5) $\frac{7}{2}x + 1\frac{5}{6} = -\frac{15}{4} - \frac{7}{6}x + 1 + 3x$

6) $\frac{4}{5}n + 6 = -n - 5\frac{2}{5}$

7) $-\frac{367}{40} + \frac{3}{4}a + 2a = -3\frac{1}{2}a + \frac{1}{5}$

8) $6\frac{9}{10} + \frac{1}{4}k = 1\frac{2}{5}k - \frac{1}{4} + \frac{8}{5}k$

9) $\frac{19}{6}x - \frac{1}{2} = \frac{13}{18} + x - 1\frac{2}{3} - 1$

10) $2\frac{5}{6}x - 1\frac{29}{36} = \frac{11}{3}x + 1\frac{1}{4}$

11) $-\frac{3}{4}n + \frac{3}{2} + 2n = -\frac{7}{2} - 3\frac{3}{4}n$

12) $-8\frac{23}{48} - 3\frac{2}{3}m = 1\frac{3}{4}m + 1$

13) $2\frac{1}{3}p + 10\frac{2}{3} = \frac{1}{3}p + 3\frac{1}{3} + 2\frac{1}{3}$

14) $x + \frac{11}{4} - 3x - 1\frac{1}{6} = -1\frac{1}{2}x + 1 + \frac{1}{3}$

15) $2\frac{1}{6}n + \frac{245}{24} = -\frac{7}{4}n + n$

16) $\frac{2}{5}m - 2\frac{7}{30} = -2\frac{1}{6}m + \frac{1}{3}m$

17) $-6\frac{17}{48} - \frac{5}{4}r + 3\frac{1}{2} + 1\frac{5}{6} = -r - 1\frac{1}{3}$

18) $1\frac{8}{9} - \frac{1}{2}n = \frac{1}{6}n + 1$

19) $-1\frac{2}{3}x - \frac{4}{5} + 1\frac{3}{4} = -3\frac{7}{12} + \frac{3}{5}x$

20) $b + \frac{2}{3} - \frac{3}{5}b + \frac{13}{30} = -\frac{1}{5}b + 5b$

21) $-1\frac{1}{4}v - \frac{31}{6} = \frac{5}{3}v - \frac{1}{2}$

22) $-\frac{3}{2}x - 1\frac{1}{4} = -2\frac{2}{5}x + 1\frac{9}{10}$

23) $1\frac{1}{3}x + 2\frac{1}{2}x - 5\frac{5}{6} = -3\frac{2}{3}x + \frac{5}{6} + 2\frac{1}{3}$

24) $a - 1\frac{1}{6} - 2\frac{5}{6} = -3\frac{5}{6} + \frac{2}{3}a$

25) $\frac{116}{15} - 3\frac{2}{5}p = p + 4\frac{4}{5}$

26) $\frac{7}{2}k + 1\frac{5}{6} = -7\frac{23}{30} - \frac{23}{6}k - \frac{2}{3}k$

27) $x + \frac{1}{4}x = -\frac{403}{60} + 3\frac{5}{6}x$

28) $1\frac{3}{4}m + \frac{2}{3} = \frac{31}{24} + \frac{1}{2}m$

29) $4\frac{3}{5}n - \frac{2}{3} = -6\frac{17}{20} + 2\frac{5}{6}n$

30) $x + \frac{1}{4} = 12\frac{7}{18} - 3\frac{3}{4}x + 2\frac{5}{6}x$

31) $-\frac{3}{5}r + \frac{3}{5} - 3\frac{3}{4} = -2r - \frac{35}{12}$

32) $-\frac{1}{12} + \frac{3}{2}n = n + 1\frac{3}{4}$

33) $-3b - 1\frac{1}{2} = -12\frac{1}{3} + 1\frac{1}{3}b$

34) $-4 + 3\frac{1}{3}x = 1\frac{1}{3}x + 4x$

35) $3\frac{1}{5}v - 1\frac{4}{5} = \frac{14}{5}v + \frac{1}{5} + \frac{2}{3}$

36) $1\frac{1}{5} + \frac{4}{5}n = 1\frac{2}{5}n + \frac{2}{5}$

37) $6\frac{13}{30} - \frac{3}{4}k = -3\frac{5}{6}k - 2\frac{1}{5}$

38) $11\frac{31}{48} + \frac{4}{3}a = \frac{2}{3}a + \frac{17}{4}a$

39) $-x+\frac{5}{3}=\frac{14}{15}-1\frac{2}{5}x$

40) $-\frac{17}{18}+3\frac{2}{3}x-\frac{19}{6}+1\frac{1}{2}=-\frac{2}{3}x+1$

41) $-2\frac{11}{18}+1\frac{1}{3}n=\frac{2}{5}n+\frac{1}{2}$

42) $1\frac{1}{2}m-2\frac{3}{4}m=-\frac{19}{24}+\frac{1}{3}m$

43) $10\frac{53}{80}-3\frac{1}{4}p=\frac{5}{2}p+\frac{3}{5}$

44) $-\frac{1}{180}-\frac{1}{4}x=-\frac{2}{3}x+1\frac{4}{5}$

45) $-\frac{9}{2}-1\frac{1}{6}n=n+\frac{1}{2}+\frac{17}{6}n$

46) $3+3\frac{1}{3}m=6m-\frac{11}{3}$

47) $1\frac{11}{30}-1\frac{1}{3}r+1\frac{1}{2}r=1\frac{1}{2}r+1\frac{2}{5}r$

48) $6\frac{1}{2}+1\frac{1}{6}x=1\frac{5}{6}x+3\frac{1}{6}$

49) $3v+1\frac{1}{4}=1\frac{33}{100}+3\frac{1}{5}v$

50) $1\frac{17}{20}-\frac{1}{2}x=x-1\frac{3}{4}+3\frac{3}{5}$

51) $-7\frac{1}{3}+\frac{1}{3}b=-\frac{18}{5}b-2+\frac{9}{5}b$

52) $\frac{5}{6}n+3n=-\frac{20}{3}+1\frac{1}{3}n$

53) $\frac{1}{3}a-1=1\frac{5}{6}a+\frac{1}{2}a$

54) $2x-3\frac{2}{3}=1\frac{1}{3}x-4\frac{3}{5}$

55) $2k-\frac{17}{5}=\frac{8}{5}k-3\frac{2}{3}$

56) $-\frac{5}{6}p+\frac{7}{6}=1+2p+1\frac{1}{2}-\frac{3}{2}p$

57) $\frac{9}{2}-1\frac{2}{3}x=-3\frac{1}{2}x-1\frac{1}{6}x$

58) $\frac{18}{25}-\frac{1}{5}m=-1\frac{2}{5}m+\frac{3}{4}m$

59) $-\frac{4}{3}n-6=\frac{19}{6}n-3\frac{3}{4}$

60) $3\frac{1}{3}r+\frac{64}{9}=1\frac{1}{2}r+1$

61) $x+1\frac{3}{4}+2\frac{1}{4}x=4\frac{7}{12}+x+1\frac{1}{6}+2$

62) $9\frac{29}{36}+3\frac{4}{5}b+b=-\frac{1}{3}b+\frac{5}{4}$

63) $-1\frac{1}{5}n+1-\frac{3}{4}=1\frac{1}{5}n+\frac{21}{20}$

64) $-\frac{11}{6}v-2\frac{2}{3}v=-12\frac{17}{30}+\frac{1}{3}v$

65) $4x-2\frac{1}{2}=-11\frac{1}{4}-x$

66) $-3\frac{1}{4}n-8\frac{31}{48}=2\frac{5}{6}n+2$

67) $\frac{5}{6}x-\frac{5}{6}x=5\frac{3}{4}-1\frac{1}{2}x$

68) $3\frac{4}{5}a+\frac{1}{4}=2\frac{7}{10}-\frac{1}{3}a+2\frac{1}{2}a$

69) $-x+\frac{1}{2}=1\frac{1}{4}-4x$

70) $\frac{5}{6}k-\frac{13}{4}=-4\frac{7}{12}+2\frac{1}{3}k+1\frac{5}{6}k$

71) $\frac{1}{2}m+1=5-1\frac{1}{2}m$

72) $-4\frac{37}{60}+1\frac{2}{3}n-\frac{1}{3}n=-1\frac{1}{2}n-3\frac{1}{5}$

73) $\frac{3}{5}p+1\frac{1}{4}=\frac{79}{20}-1\frac{1}{5}p$

74) $\frac{5}{3}+\frac{11}{6}x+\frac{1}{2}x=2\frac{1}{3}x+1+1\frac{1}{3}x$

75) $-1\frac{1}{2}b+2\frac{1}{5}b=1\frac{1}{50}-b$

76) $\frac{9}{4}n-1\frac{3}{5}=\frac{7}{2}n+1+2n+1\frac{23}{120}$

77) $r+3\frac{5}{6}+2r=7\frac{11}{12}-5\frac{1}{6}r$

78) $\frac{11}{4}x-2\frac{1}{2}=7\frac{1}{2}-x$

79) $\frac{1}{2}n-\frac{1}{2}=-5\frac{1}{2}-\frac{1}{2}n$

80) $\frac{1}{4}v-2v=1\frac{1}{2}v-\frac{247}{20}$

81) $b+\frac{9}{5}=1\frac{1}{2}b+2\frac{1}{20}$

82) $x+\frac{4}{3}=-\frac{445}{36}-1\frac{5}{6}x$

83) $-4\frac{11}{60}-a=a-1\frac{1}{4}-3\frac{1}{3}$

84) $-\frac{79}{36}-\frac{5}{6}x=-\frac{7}{5}x-\frac{2}{5}$

85) $\frac{5}{6}k+\frac{1}{3}=-3\frac{5}{6}-\frac{5}{4}k$

86) $\frac{13}{36}-\frac{1}{3}p+1\frac{1}{5}p=-1\frac{4}{5}p+\frac{1}{2}p$

87) $-1\frac{1}{4}x-4=\frac{3}{2}+1\frac{1}{2}x$

88) $2\frac{1}{6}m+\frac{47}{15}=3\frac{1}{2}m-3\frac{2}{3}+3\frac{4}{5}$

89) $-\frac{5}{12}+x=1\frac{3}{4}x-x$

90) $2\frac{1}{2}n-\frac{4}{5}+2=-5\frac{62}{75}-2\frac{3}{5}n+1+1\frac{1}{3}n$

91) $r+3\frac{2}{3}=\frac{326}{75}+\frac{4}{5}r$

92) $-\frac{17}{6}n+5=\frac{61}{18}+2n$

93) $\frac{521}{60}+\frac{1}{5}b=3\frac{1}{2}b+2+2\frac{5}{6}$

94) $-1\frac{1}{6}v+2\frac{2}{3}=-\frac{11}{4}v+1\frac{1}{2}v+2\frac{3}{5}$

95) $\frac{5}{4}n+n=2\frac{11}{18}-1\frac{2}{3}n$

96) $-\frac{8}{3}x+1\frac{5}{6}+\frac{3}{4}=\frac{7}{60}-\frac{1}{5}x$

97) $-2a+3\frac{3}{5}=2\frac{2}{5}a+2\frac{1}{2}$

98) $-1\frac{1}{5}k+4+\frac{7}{2}k-9\frac{83}{150}=\frac{1}{3}k+3\frac{3}{5}k$

99) $\frac{7}{5}x-1=-6x+1\frac{7}{15}$

100) $-6-\frac{7}{2}x+\frac{3}{2}x=\frac{1}{6}x+1\frac{2}{3}-6x$

101) $2\frac{39}{140}-1\frac{5}{6}m=\frac{5}{4}m+\frac{18}{5}$

102) $2\frac{1}{3}n+\frac{53}{60}=1\frac{1}{5}n-\frac{1}{4}$

103) $\frac{1}{6}x+\frac{5}{2}=\frac{1}{2}x+\frac{11}{6}$

104) $-\frac{7}{24}-2\frac{5}{6}p=\frac{1}{6}p+1+2\frac{5}{6}$

105) $2\frac{1}{6}n+4\frac{5}{8}-\frac{22}{7}n-14\frac{109}{392}=-\frac{23}{6}n+\frac{1}{7}$

106) $-\frac{47}{25}+2r=\frac{22}{5}r+1$

107) $\frac{683}{200}+\frac{3}{2}x-\frac{7}{2}+2x=\frac{23}{8}x+\frac{3}{5}x$

108) $1\frac{1}{3}n-3\frac{5}{7}=-4\frac{209}{224}+\frac{1}{4}n$

109) $-1\frac{1}{2}b+\frac{1}{2}=-\frac{10}{3}+\frac{25}{6}b+2b$

110) $-1\frac{1}{6}b-\frac{3}{2}-\frac{1}{2}b=-1\frac{41}{84}-\frac{12}{7}b$

111) $8\frac{529}{720}-\frac{7}{6}v+\frac{4}{5}-4\frac{1}{3}=\frac{11}{8}v-2$

112) $2x-3\frac{1}{6}=-2\frac{5}{6}+1\frac{2}{3}x$

113) $1\frac{4}{5}x-2\frac{1}{2}=-\frac{1}{4}x-4\frac{59}{70}$

114) $k-\frac{1}{4}-3\frac{1}{2}=-4\frac{3}{7}+1\frac{1}{4}k$

115) $-16\frac{347}{392}-1\frac{3}{7}p=4p-1\frac{3}{8}$

116) $\frac{6}{7}a+3\frac{3}{4}=4\frac{151}{224}-\frac{3}{8}a$

117) $\frac{799}{56}+2x=4\frac{4}{7}x+4\frac{5}{8}$

118) $-\frac{39}{7}-\frac{2}{3}n=-2\frac{3}{4}n-\frac{9}{4}n$

119) $-3\frac{63}{160}+2\frac{3}{5}r=\frac{1}{3}r-\frac{3}{4}r$

120) $-3\frac{3}{4}m-4=4\frac{9}{28}+m-2\frac{1}{4}-2$

121) $-\frac{5}{7}+2b=\frac{1}{2}b-b$

122) $-13\frac{131}{168}+4\frac{3}{7}x=-1\frac{3}{4}x+\frac{5}{3}$

123) $\frac{1943}{126} + \frac{6}{7}v = \frac{29}{6}v + 2\frac{1}{6}$

124) $1\frac{1}{2}n + 5\frac{51}{56} = -2\frac{2}{5}n + \frac{9}{7} + \frac{1}{5}n$

125) $\frac{1}{2}n + 1 = -\frac{1}{7}n - \frac{19}{98}$

126) $-4\frac{29}{96} + \frac{15}{8}x = \frac{13}{6}x - 2\frac{2}{3} - 2$

127) $1\frac{5}{6}k - 2k + 4\frac{2}{3} = -\frac{3}{2}k + 2$

128) $\frac{857}{672} - \frac{2}{3}a + 1\frac{1}{2}a = \frac{6}{7}a + 1 - 1\frac{1}{8}a$

129) $-2\frac{11}{21} + \frac{1}{2}x = 1\frac{4}{7}x - 2\frac{1}{6}$

130) $-\frac{3}{2}x - \frac{1}{2}x = -3\frac{1}{3}x - 2\frac{1}{3}$

131) $-\frac{7}{40} - 3\frac{1}{4}x = -\frac{7}{5}x - 1\frac{1}{2}x$

132) $-\frac{5}{3}p + 1 = -\frac{671}{448} - \frac{3}{7}p + 1 - \frac{7}{8}p$

133) $2\frac{2}{3}n - \frac{116}{15} = \frac{4}{5}n + \frac{2}{3}$

134) $4\frac{2}{7}m + 3\frac{5}{7} - \frac{1}{5} = -\frac{941}{1260} - 1\frac{1}{6}m + 1\frac{4}{5}m$

135) $\frac{21}{8}b + \frac{19}{6} = 4\frac{5}{192} + 2\frac{1}{6}b$

136) $\frac{55}{63} - 1\frac{5}{7}x = 1\frac{2}{3}x + 2$

137) $\frac{2}{5}n + \frac{39}{8}n = 3\frac{39}{80} + 4\frac{1}{2}n$

138) $-\frac{131}{8} + \frac{1}{3}r = \frac{3}{4}r + 1\frac{1}{2} - 3\frac{1}{6}r$

139) $-1\frac{2}{5}a + \frac{1531}{150} = \frac{29}{8}a + \frac{13}{6}$

140) $4\frac{1}{4}x - \frac{11}{32} = x + \frac{7}{2}x$

141) $2n + \frac{7}{5} = \frac{1}{6} + 1\frac{2}{5}n + \frac{5}{6} - \frac{2}{5}$

142) $3\frac{1}{3} + 2\frac{5}{6}v = v + \frac{3}{2}$

143) $-4 + \frac{1}{4}x - 1\frac{1}{2}x = -4x - 1\frac{4}{5}$

144) $-2\frac{1}{2}a + \frac{3}{4} = -11\frac{193}{280} + a + \frac{5}{7} + 6\frac{1}{8}$

145) $4\frac{7}{8}p - 1\frac{3}{7} = \frac{2641}{224} + p - \frac{3}{2} - 1\frac{1}{3}p$

146) $-\frac{7}{4}k - 6\frac{45}{56} = -3\frac{1}{6}k - \frac{3}{7}$

147) $-1\frac{3}{4}x + \frac{17}{21} = -1\frac{1}{6}x - \frac{6}{7} + 1\frac{1}{2}$

148) $-1\frac{2}{5}n + 1 = -5\frac{1}{3} + \frac{1}{2}n$

149) $4\frac{5}{6}r + \frac{39}{8} + 3\frac{5}{7} - 2\frac{127}{168} = \frac{2}{3}r + \frac{5}{4}r$

150) $\frac{2}{3}m + 3\frac{2}{3} + \frac{4}{5}m = 8\frac{59}{120} - 1\frac{3}{4}m$

151) $3\frac{1}{2}x - \frac{4}{7} = 7\frac{25}{42} - 2\frac{5}{8}x$

152) $2\frac{2}{3}n - \frac{1003}{84} = -\frac{4}{7}n + \frac{17}{4}$

153) $1\frac{4}{5}x + \frac{79}{15} = \frac{7}{5}x + 4\frac{1}{3}$

154) $-2\frac{3}{4}b + \frac{4}{3}b + 3\frac{1}{84} = -1\frac{1}{7}b + 3\frac{2}{7}$

155) $-2\frac{2}{3}n + \frac{2}{5}n = 11\frac{2}{3} + n$

156) $-5v + 4\frac{1}{5} + \frac{3}{4}v = -4\frac{7}{15} + \frac{3}{4}v - 1\frac{2}{3}v$

157) $\frac{845}{56} - 3\frac{1}{6}a = -2\frac{2}{3}a + \frac{29}{7}a$

158) $x + 1\frac{1}{5} - 2\frac{1}{8} = -\frac{181}{40} + 4\frac{3}{5}x$

159) $-2k + 1\frac{1}{8} = k + \frac{5}{3} + 4\frac{4}{7}k - \frac{13}{24}$

160) $1\frac{2}{7}x - 3\frac{104}{245} = \frac{8}{5}x - 3\frac{1}{5}$

161) $4\frac{7}{8}n + 3n = 1\frac{41}{64} + n + \frac{5}{2}n$

162) $1\frac{31}{56} + 1\frac{1}{3}m = 1\frac{2}{3}m + 1\frac{3}{7}$

163) $-\frac{103}{72} + 3\frac{2}{3}p + 1 + 3\frac{1}{2} = p - 1\frac{3}{8}$

164) $\frac{8}{5}x + 4\frac{1}{2} - 1\frac{1}{3} = \frac{27}{10} + 2x$

165) $-n+1\frac{6}{7}=\frac{83}{28}+1\frac{4}{7}n-1\frac{5}{6}n$

166) $-1\frac{1}{3}x+4\frac{1}{2}x=-1\frac{5}{12}-2\frac{1}{2}x$

167) $-2\frac{3}{8}+1\frac{1}{8}b=b+\frac{1}{2}-\frac{1}{2}b$

168) $2r+1\frac{1}{8}+2\frac{1}{3}r-3\frac{49}{120}=\frac{11}{4}r+\frac{1}{4}$

169) $1\frac{1}{2}v-1+4\frac{6}{7}=3\frac{181}{252}+2\frac{1}{3}v$

170) $-7\frac{31}{70}+\frac{2}{7}n-2+4\frac{4}{5}=n-\frac{18}{7}-3\frac{1}{2}$

171) $\frac{6}{5}x-3\frac{2}{3}x+6\frac{64}{105}=x-2\frac{4}{5}$

172) $\frac{389}{105}+\frac{11}{4}a-\frac{4}{5}-\frac{1}{4}a=3\frac{1}{6}a+\frac{11}{7}$

173) $-\frac{13}{7}n+1\frac{1}{2}=-5\frac{5}{12}-3\frac{5}{6}n$

174) $-\frac{17}{3}+\frac{5}{6}k=-1\frac{1}{2}k-1$

175) $1\frac{1}{2}x+1+1\frac{5}{6}+11\frac{77}{480}=\frac{19}{4}x+\frac{7}{5}$

176) $-\frac{2}{5}p+1+1\frac{1}{2}=-\frac{1}{15}+\frac{2}{3}p-2p$

177) $-1\frac{11}{40}+\frac{1}{2}n=n-\frac{2}{5}$

178) $\frac{332}{21}+x=\frac{25}{7}x+4\frac{2}{3}$

179) $-\frac{1}{3}r+1=-\frac{13}{15}+2r$

180) $1\frac{3}{5}n+\frac{947}{105}=-\frac{4}{3}n+3\frac{4}{7}$

181) $-\frac{3}{5}m-\frac{3}{7}+3\frac{5}{6}m+1\frac{1873}{2100}=m+3\frac{1}{4}$

182) $-2\frac{5}{6}b+\frac{460}{63}=-1\frac{3}{7}b+\frac{1}{2}b$

183) $\frac{237}{200}+1\frac{1}{4}x=1\frac{1}{2}x+\frac{33}{8}+\frac{4}{5}x$

184) $\frac{1}{6}v+\frac{1}{2}v=1\frac{7}{16}+1\frac{1}{6}v$

185) $-\frac{1}{7}n-\frac{14}{3}=\frac{2}{3}n+1$

186) $-3\frac{1}{2}x+\frac{4}{3}=x+1\frac{3}{8}x+\frac{221}{60}$

187) $1\frac{29}{48}+\frac{19}{4}a-3\frac{3}{4}-1\frac{2}{3}a=a+\frac{3}{2}$

188) $\frac{29}{6}p-\frac{3}{2}=\frac{1}{2}p-6\frac{7}{10}$

189) $1\frac{1}{5}x+1=-\frac{19}{7}+2\frac{1}{2}x$

190) $-8\frac{1}{2}-1\frac{1}{3}m=-8m-\frac{7}{2}$

191) $-1\frac{7}{8}n-\frac{3}{7}-\frac{1}{2}=-\frac{55}{112}-1\frac{3}{4}n$

192) $-\frac{1}{2}p+1-5=-6\frac{29}{32}+\frac{1}{4}p$

193) $x-1\frac{3}{7}=-16\frac{185}{252}-3\frac{5}{6}x$

194) $\frac{5}{8}n-\frac{1}{2}n=-5\frac{17}{56}+n+\frac{17}{7}+3\frac{3}{4}$

195) $\frac{11}{5}b+2\frac{2}{5}+4\frac{2}{3}=-5\frac{3}{4}b+\frac{901}{60}$

196) $3\frac{5}{8}n-2\frac{7}{8}=\frac{10}{7}n-7\frac{15}{56}$

197) $2\frac{73}{84}+1\frac{1}{4}x=3\frac{1}{2}x+1\frac{2}{7}-\frac{2}{3}x$

198) $-\frac{1}{5}r+\frac{1}{4}=-\frac{131}{21}+\frac{1}{2}r+\frac{11}{7}+3\frac{3}{4}$

199) $4\frac{3}{4}k+\frac{3459}{224}=\frac{14}{3}k+4\frac{2}{7}+4\frac{1}{3}k$

200) $-\frac{1}{2}a+10\frac{41}{70}=\frac{32}{7}a+\frac{15}{4}a$

201) $\frac{1}{2}\left(v-\frac{5}{2}\right)=1\frac{5}{6}v-6\frac{1}{12}$

202) $\frac{119}{150}+1\frac{2}{5}x=-\frac{14}{3}\left(\frac{3}{5}x+1\right)$

203) $-3\frac{8}{9}\left(\frac{53}{9}x+1\right)-2=\frac{6971}{405}+\frac{1}{5}x$

204) $1\frac{2}{3}\left(-\frac{27}{7}k+1\right)=-\frac{12}{7}k-38\frac{17}{42}$

205) $-3\frac{5}{6}\left(-\frac{1}{2}n-1\frac{1}{3}\right)=6\frac{3}{8}-\frac{15}{8}n$

206) $-3\frac{1}{7}\left(3\frac{2}{5}p+\frac{5}{4}\right)=3\frac{1}{9}p-3\frac{13}{14}$

207) $-21\frac{237}{320}+\frac{13}{8}n=-n-\frac{3}{5}\left(\frac{17}{9}n+1\right)$

208) $-\frac{53}{90}+\frac{2}{3}m=\frac{3}{5}\left(m-1\frac{1}{6}\right)$

209) $4x-\frac{23}{10}=-\left(1\frac{7}{10}x-\frac{91}{10}\right)$

210) $1\frac{7}{10}-1\frac{2}{3}\left(r+1\frac{2}{3}\right)=-10\frac{139}{630}+2\frac{1}{3}r$

211) $-\frac{15}{8}\left(-\frac{31}{8}n+\frac{1}{2}\right)=-20\frac{31}{32}-2\frac{3}{4}n$

212) $-\frac{1}{10}b+\frac{226}{45}=2\left(-\frac{5}{9}b+1\frac{1}{2}\right)$

213) $-\frac{1}{2}v-\frac{19}{30}=-\frac{1}{8}\left(\frac{4}{3}v+8\right)$

214) $-7\frac{17}{20}-\frac{1}{5}n=-2\left(n+2\frac{1}{8}\right)$

215) $-1\frac{4}{5}x+10\frac{1177}{2100}=2\frac{1}{6}\left(1\frac{5}{7}x+5\frac{9}{10}\right)+5\frac{3}{5}x$

216) $-1\frac{2}{3}\left(a+1\frac{1}{5}\right)+1\frac{1}{2}=\frac{7}{9}a-2\frac{17}{18}$

217) $7\frac{1}{2}+3\frac{1}{6}k=-\frac{11}{4}\left(1\frac{1}{3}k+1\right)$

218) $-3\frac{3}{10}x-32\frac{63}{80}=-2\frac{1}{2}\left(-8x+\frac{1}{2}\right)+\frac{1}{2}$

219) $1\frac{38}{225}-1\frac{9}{10}p=-1\frac{1}{9}\left(\frac{3}{4}p+\frac{1}{10}\right)$

220) $-x+30=7\left(\frac{3}{7}x+3\frac{1}{2}\right)$

221) $2\frac{1}{2}\left(-7\frac{3}{4}n+\frac{2}{3}\right)=-\frac{541}{20}+4\frac{5}{9}n$

222) $-\frac{3}{8}\left(p+1\frac{5}{9}\right)=-p-1\frac{65}{96}$

223) $-21\frac{132}{245}+3\frac{2}{5}x=-\frac{6}{7}\left(-1\frac{2}{7}x+1\right)$

224) $-14\frac{3067}{3150}+1\frac{1}{2}m=-\frac{3}{7}m+1\frac{3}{5}\left(-3\frac{1}{2}m-\frac{8}{9}\right)$

225) $-1\frac{8}{9}-\frac{3}{2}b=2\left(\frac{1}{2}b+1\right)$

226) $1\frac{3}{8}n+21\frac{229}{320}=-\frac{14}{5}+2\frac{1}{4}\left(\frac{13}{4}n+1\right)$

227) $35\frac{35}{54}-1\frac{1}{7}x=\frac{13}{3}\left(4\frac{1}{6}x-2\frac{1}{9}\right)$

228) $\frac{19}{5}\left(\frac{5}{9}r-1\frac{3}{4}\right)+\frac{2}{5}=-4\frac{29}{36}+1\frac{4}{9}r$

229) $2\left(v+1\frac{3}{8}\right)=4\frac{7}{20}+\frac{2}{5}v$

230) $\frac{949}{48}-2\frac{1}{4}n=-8\left(\frac{11}{3}n+1\frac{1}{2}\right)+1\frac{2}{3}n$

231) $1\frac{37}{252}-\frac{3}{8}a=2\frac{2}{9}\left(-\frac{1}{2}a+2\right)-2\frac{2}{3}$

232) $-3\frac{1}{7}\left(x+5\frac{3}{4}\right)=-\frac{439}{42}+\frac{2}{3}x$

233) $-\frac{103}{36}-1\frac{1}{2}x=\frac{8}{9}-2\left(x+\frac{3}{5}\right)$

234) $\frac{23}{9}+1\frac{1}{6}\left(\frac{1}{5}n-2\frac{3}{7}\right)=1\frac{1}{3}n-4\frac{31}{630}$

235) $-3\frac{4}{9}\left(1\frac{8}{9}k+3\frac{5}{8}\right)=-3\frac{2}{3}k-\frac{3617}{216}$

236) $2p-5\frac{16}{25}=2\frac{1}{10}\left(\frac{2}{5}p-\frac{1}{5}\right)$

237) $4\frac{7}{9}n+\frac{287}{216}=\frac{5}{6}\left(4\frac{1}{10}n-\frac{7}{5}\right)$

238) $-\frac{11}{30}-\frac{1}{3}x=-\frac{17}{5}\left(-\frac{7}{10}x-2\frac{1}{3}\right)-\frac{1}{2}x$

239) $-\frac{1}{2}m-7\frac{20}{21}=-3\frac{1}{2}\left(m-\frac{10}{7}\right)+\frac{1}{3}m$

240) $1\frac{1}{2}\left(\frac{9}{10}r+1\right)=\frac{357}{160}+1\frac{1}{5}r$

241) $-1\frac{6}{7}-\frac{3}{2}\left(1\frac{1}{3}x+1\right)=\frac{7}{9}x-5\frac{37}{84}$

242) $-\frac{5}{7}\left(1\frac{1}{6}b+1\frac{6}{7}\right)=2\frac{7}{10}b-\frac{328}{2205}$

243) $1\frac{2}{3}-\left(\frac{7}{9}n+2\frac{4}{7}\right)=\frac{5}{9}n-5\frac{10}{21}$

244) $-\frac{31601}{6720}+2\frac{7}{8}v=-\frac{1}{7}\left(1\frac{1}{2}v+4\frac{5}{6}\right)+1\frac{2}{5}v$

245) $-1\frac{3}{4}\left(\frac{7}{2}x+\frac{3}{7}\right)=18\frac{73}{240}+\frac{3}{5}x$

246) $-21\frac{163}{252}+1\frac{1}{8}n=-\frac{16}{7}\left(1\frac{3}{4}n+1\right)$

247) $15\frac{1}{5}-3\frac{3}{10}a=-2\left(-\frac{1}{2}a+1\right)$

248) $\frac{3}{4}\left(k-3\frac{1}{4}\right)=5k-26\frac{25}{48}$

249) $-\frac{1}{2}\left(p-\frac{1}{2}\right)-\frac{7}{8}p=-\frac{1}{9}-1\frac{1}{8}p$

250) $4n+\frac{209}{45}=2\frac{5}{6}\left(\frac{9}{5}n+1\frac{5}{6}\right)$

251) $\frac{1}{3}\left(\frac{3}{2}x-\frac{3}{10}\right)=9\frac{13}{20}-6x$

252) $2\frac{5}{9}\left(-2m+\frac{13}{4}\right)=-19\frac{551}{900}+3\frac{1}{10}m$

253) $4\frac{17}{350}-1\frac{1}{3}r=5\frac{1}{5}\left(-\frac{4}{5}r+\frac{24}{7}\right)$

254) $-6\frac{6}{7}-3\frac{1}{3}n=-1\frac{3}{7}\left(n+\frac{2}{5}\right)$

255) $2\left(b+\frac{1}{2}\right)-3\frac{3}{4}=-2\frac{1}{2}b-\frac{1}{20}$

256) $-\frac{11}{4}x+2\frac{3}{10}\left(x+\frac{30}{7}\right)=-10\frac{17}{70}-10\frac{1}{2}x$

257) $-2\frac{1}{5}x-6\frac{377}{945}=2\left(2\frac{1}{3}x+\frac{23}{7}\right)$

258) $-2\frac{37}{168}+5\frac{3}{4}r=2\frac{1}{6}r+\frac{18}{7}\left(-2\frac{1}{3}r+1\right)$

259) $-\frac{95}{144}-\frac{4}{9}a=-\frac{1}{4}\left(a-1\frac{1}{4}\right)$

260) $1\frac{1}{3}\left(1\frac{1}{5}n+\frac{59}{10}\right)=-1\frac{1}{6}n+11\frac{13}{40}$

261) $-1\frac{3}{10}-2\frac{1}{9}\left(v+4\frac{7}{9}\right)=-11\frac{313}{810}+1\frac{5}{6}v$

262) $7\frac{1}{10}-\frac{6}{5}x=-\frac{1}{2}\left(\frac{3}{5}x+1\right)$

263) $2\frac{5}{7}\left(-\frac{3}{7}x+1\right)=-5\frac{122}{147}+1\frac{2}{5}x$

264) $3\frac{23}{24}+2n=-\left(n+\frac{5}{3}\right)+1\frac{7}{8}$

265) $-1\frac{33}{35}+k=-2\frac{5}{7}\left(-k+\frac{2}{5}\right)$

266) $\frac{2}{5}\left(-2x+1\frac{1}{4}\right)=1\frac{1}{2}x-\frac{737}{90}$

267) $-1\frac{1}{4}+\frac{4}{5}\left(2p+\frac{16}{3}\right)=-\frac{5}{6}-\frac{1}{2}p$

268) $-\frac{2}{9}+\frac{7}{4}\left(-\frac{1}{2}n+\frac{9}{2}\right)=-6n+\frac{1471}{144}$

269) $-1\frac{1}{9}\left(m+\frac{5}{4}\right)+\frac{3}{10}=\frac{7}{15}+2m$

270) $5\frac{5}{7}\left(r+5\frac{1}{6}\right)=37\frac{11}{12}-r$

271) $9\frac{29}{60}-2x=\frac{5}{3}\left(x+\frac{7}{4}\right)+\frac{29}{10}$

272) $-1\frac{3037}{3150}+2\frac{1}{6}n=1\frac{3}{5}\left(1\frac{1}{10}n-1\frac{1}{7}\right)$

273) $-v-24\frac{25}{48}=2\left(-2\frac{5}{8}v-\frac{13}{6}\right)$

274) $-\frac{29}{30}-1\frac{2}{5}b=-\frac{1}{3}b+\frac{7}{10}\left(\frac{1}{2}b+1\frac{1}{4}\right)$

275) $\frac{13}{3}+x=-1\frac{1}{3}\left(3\frac{1}{4}x+\frac{3}{4}\right)$

276) $-\frac{11}{14}+1\frac{1}{2}a=\frac{1}{2}\left(a-\frac{4}{7}\right)$

277) $\frac{10}{3}\left(n+1\frac{1}{3}\right)-n=15\frac{19}{36}-1\frac{1}{6}n$

278) $\frac{1}{4}\left(-\frac{2}{5}p+1\right)=\frac{3}{8}p-\frac{17}{8}$

279) $-\frac{1}{10}\left(\frac{2}{5}k+1\right)=\frac{3}{5}k-3\frac{29}{150}$

280) $-\frac{81}{1372}-1\frac{5}{8}n=-\frac{3}{7}\left(-\frac{15}{7}n+1\frac{5}{6}\right)$

281) $5\frac{3}{8}\left(2\frac{7}{9}x-1\frac{1}{2}\right)+5\frac{2}{3}=-\frac{12041}{240}-3\frac{4}{9}x$

282) $\frac{2281}{3360}+1\frac{1}{8}m=1\frac{1}{7}\left(\frac{9}{5}m-\frac{5}{6}\right)$

283) $r-\frac{1}{4}\left(r+4\frac{1}{5}\right)=-r+5\frac{3}{40}$

284) $-\frac{5}{7}x-1\frac{1}{49}=-1\frac{5}{7}\left(\frac{1}{4}x+1\right)$

285) $\frac{5}{9}n+3\frac{3977}{4536}=3\frac{7}{8}\left(\frac{1}{7}n+1\right)$

286) $\frac{17}{4}\left(b+\frac{26}{5}\right)=-1\frac{1}{3}b+\frac{2103}{80}$

287) $-r-35\frac{1}{25}=-1\frac{4}{5}\left(2\frac{9}{10}r+\frac{27}{5}\right)$

288) $-\frac{7}{9}+3\left(-2\frac{8}{9}x+\frac{1}{2}\right)=-40\frac{5}{18}+1\frac{1}{3}x$

289) $9n+29\frac{3}{5}=1\frac{5}{6}\left(-\frac{1}{2}n+1\right)$

290) $-5\frac{4}{5}-\frac{1}{5}v=\frac{4}{3}v+2\left(v-\frac{29}{10}\right)$

291) $\frac{1}{5}a-\frac{7}{5}\left(-2\frac{1}{3}a+\frac{2}{5}\right)=6a-8\frac{119}{150}$

292) $2\left(x-1\frac{1}{2}\right)=-\frac{29}{10}+1\frac{9}{10}x$

293) $11\frac{13}{140}-\frac{1}{7}x=3\frac{1}{2}\left(x+1\frac{2}{5}\right)$

294) $\frac{3}{7}\left(n+1\frac{2}{3}\right)=\frac{19}{28}+\frac{1}{2}n$

295) $-\frac{2}{7}p+6\frac{109}{448}=\frac{5}{8}\left(-1\frac{1}{7}p+5\frac{7}{8}\right)$

296) $5\frac{1}{3}\left(1\frac{2}{3}k+2\right)-\frac{7}{4}=12\frac{127}{288}+3\frac{1}{4}k$

297) $\frac{5}{9}\left(-\frac{17}{6}x+\frac{5}{2}\right)=20\frac{19}{45}+9x$

298) $\frac{1}{2}m+1\frac{17}{72}=2\frac{3}{8}\left(1\frac{8}{9}m+1\right)$

299) $-\frac{17}{405}-1\frac{3}{5}n=-2\frac{1}{9}\left(\frac{1}{2}n+\frac{1}{9}\right)+\frac{5}{9}$

300) $1\frac{2}{9}r+2\left(\frac{31}{7}r+1\right)=6\frac{1549}{1764}+3\frac{1}{4}r$

301) $-1\frac{1}{4}\left(x+\frac{3}{4}\right)=\frac{7}{6}x+7\frac{61}{80}$

302) $-2\frac{1}{2}n-10\frac{8}{15}=\frac{2}{9}\left(n+1\frac{1}{5}\right)-1$

303) $15\frac{1}{28}-\frac{1}{2}v=\frac{1}{2}\left(4\frac{4}{7}v+1\frac{1}{10}\right)$

304) $\frac{1}{2}\left(-1\frac{1}{2}n+1\right)=-15\frac{7}{16}+3n$

305) $1\frac{3}{4}b+5\frac{8357}{9072}=-2\frac{3}{7}b-1\frac{1}{9}\left(5\frac{5}{9}b-3\right)$

306) $\frac{29}{5}\left(-x+\frac{1}{2}\right)-\frac{1}{2}x=12\frac{13}{45}-\frac{2}{3}x$

307) $-\frac{457}{700}-1\frac{2}{5}k=-\frac{1}{8}\left(k+\frac{8}{7}\right)$

308) $\frac{24}{7}+\frac{1}{5}p=1\frac{2}{3}\left(p-1\frac{5}{7}\right)$

309) $-8\frac{1}{30}+\frac{4}{5}a=-2a+1\frac{1}{6}\left(4\frac{4}{9}a+1\right)$

310) $-1\frac{4}{9}x+\frac{2}{7}\left(\frac{10}{3}x+1\frac{7}{10}\right)=7\frac{29}{2835}-1\frac{3}{5}x$

311) $16\frac{2}{3}+\frac{5}{6}n=-1\frac{2}{3}\left(-\frac{1}{2}n-10\right)$

312) $-1\frac{3}{8}m-\frac{11}{25}=-\frac{17}{10}\left(\frac{4}{5}m+\frac{1}{4}\right)$

313) $-2\frac{1}{3}\left(\frac{17}{3}r+\frac{13}{8}\right)=-3\frac{9}{10}r-\frac{18671}{720}$

314) $\frac{46}{9}\left(x-2\frac{1}{10}\right)+1=-3\frac{29}{810}-3\frac{1}{2}x$

315) $-1\frac{1}{3}n-\frac{79}{144}=-1\frac{1}{2}\left(n+\frac{5}{8}\right)+\frac{1}{2}$

316) $\frac{9}{5}\left(b+5\frac{1}{5}\right)=13\frac{32}{75}-1\frac{1}{4}b$

317) $-1\frac{99}{700}+\frac{2}{7}x=-\frac{2}{5}\left(\frac{7}{8}x+1\frac{9}{10}\right)$

318) $2+4\frac{2}{9}\left(\frac{5}{3}v+1\right)=\frac{8266}{189}+3\frac{2}{7}v$

319) $\frac{1}{5}\left(1\frac{3}{5}a+\frac{1}{6}\right)=3\frac{449}{1050}+3\frac{5}{7}a$

320) $\frac{40}{7}\left(-1\frac{3}{7}n+\frac{3}{7}\right)=-\frac{249}{35}+1\frac{2}{5}n$

321) $\frac{1}{2}v+3\frac{3}{7}=-\left(-\frac{3}{2}v+1\right)$

322) $\frac{12}{7}\left(x-\frac{17}{6}\right)=-\frac{704}{245}-\frac{3}{5}x$

323) $1\frac{1}{10}\left(n+2\frac{1}{4}\right)=-15\frac{61}{120}+5\frac{1}{4}n$

324) $3\frac{3}{4}\left(-\frac{2}{9}x+1\right)+\frac{3}{7}=\frac{821}{168}+2x$

325) $-\frac{109}{10}+\frac{4}{7}k=-1\frac{2}{7}\left(1\frac{1}{2}k+\frac{7}{10}\right)$

326) $-\frac{27}{8}\left(-1\frac{1}{4}p-2\right)=-\frac{1}{9}p+\frac{2543}{192}$

327) $n+\frac{551}{315}=\frac{2}{7}\left(-1\frac{7}{9}n+1\frac{9}{10}\right)$

328) $-\frac{35}{72}-\frac{1}{3}x=\frac{1}{3}\left(3\frac{5}{6}x-3\right)-\frac{3}{2}$

329) $-\frac{1007}{120}+3\frac{1}{4}m=-\frac{5}{3}\left(-\frac{7}{2}m+1\right)+\frac{1}{4}$

330) $1\frac{3}{5}r+\frac{3}{8}\left(r-2\frac{8}{9}\right)=-2\frac{67}{300}+1\frac{1}{2}r$

331) $2\frac{1}{4}\left(x-1\frac{2}{3}\right)=-1\frac{1}{8}+1\frac{4}{5}x$

332) $-6\frac{187}{324}-\frac{1}{3}n=-1\frac{2}{3}\left(\frac{2}{3}n+1\right)-\frac{11}{4}$

333) $-1\frac{1}{10}\left(\frac{16}{5}b+5\frac{3}{10}\right)=-11\frac{461}{700}-2\frac{1}{2}b$

334) $4\frac{1}{6}+1\frac{2}{5}\left(-2\frac{3}{7}v-1\frac{1}{2}\right)=1\frac{5}{9}v+13\frac{124}{315}$

335) $-1\frac{1}{2}\left(n-1\frac{1}{3}\right)=1\frac{3}{5}n-11\frac{13}{30}$

336) $-2\frac{9}{10}\left(-1\frac{3}{5}x+1\frac{1}{10}\right)=-\frac{1153}{100}-3\frac{7}{10}x$

337) $\frac{1}{2}\left(a+\frac{4}{5}\right)+3\frac{1}{3}a=-5\frac{9}{10}a-24\frac{22}{35}$

338) $2\frac{30}{49}+4\frac{3}{5}k=\frac{25}{7}\left(k+1\frac{1}{7}\right)$

339) $27\frac{25}{168}-\frac{2}{3}x=1\frac{1}{2}\left(\frac{17}{4}x+\frac{4}{3}\right)$

340) $-\frac{1093}{210}+5\frac{1}{3}p=-1\frac{3}{10}+1\frac{3}{7}\left(5\frac{3}{5}p+1\right)$

341) $3\frac{103}{168}+2\frac{1}{7}n=-\frac{1}{6}+1\frac{1}{2}\left(\frac{2}{3}n+\frac{5}{4}\right)$

342) $2\frac{1}{2}m+4\frac{1067}{1680}=\frac{1}{5}\left(-\frac{4}{7}m-\frac{4}{3}\right)$

343) $-\frac{5}{9}x+9\frac{191}{720}=-1\frac{1}{8}\left(5\frac{1}{2}x+1\right)-2$

344) $-\frac{4}{3}\left(\frac{15}{8}r+1\frac{1}{4}\right)=-4\frac{14}{27}-\frac{2}{3}r$

345) $4\frac{3}{10}\left(n+5\frac{7}{8}\right)=\frac{1769}{80}-2n$

346) $2\frac{5}{6}b+\frac{173}{216}=6-1\frac{1}{4}\left(b+\frac{1}{6}\right)$

347) $\frac{1}{2}\left(v+\frac{12}{7}\right)=14\frac{71}{140}-5\frac{4}{5}v$

348) $\frac{59}{120}+1\frac{1}{5}x=\frac{21}{8}\left(2x-\frac{5}{3}\right)+\frac{13}{4}x$

349) $\frac{1}{2}\left(4n+\frac{3}{5}\right)+\frac{43}{9}n=-\frac{17}{180}+5\frac{1}{5}n$

350) $3\frac{2}{9}\left(-1\frac{3}{10}a+1\frac{1}{6}\right)=1\frac{1}{6}a+10\frac{247}{810}$

351) $-\frac{5}{4}-1\frac{7}{8}\left(1\frac{1}{2}v+1\right)=-9\frac{5}{32}-\frac{2}{5}v$

352) $3\frac{3}{140}+2x=-\frac{1}{2}\left(x+1\frac{1}{10}\right)$

353) $-3\frac{2}{3}\left(x+3\frac{3}{8}\right)=\frac{1}{12}+\frac{2}{3}x$

354) $-5\frac{103}{175}+2n=-\frac{6}{5}\left(-\frac{3}{5}n+1\right)$

355) $-2\frac{5}{8}k+\frac{687}{80}=\frac{1}{6}\left(4\frac{1}{3}k+5\frac{1}{3}\right)$

356) $\frac{1}{2}\left(1\frac{8}{9}p-\frac{5}{9}\right)+7=9\frac{89}{90}+\frac{2}{5}p$

357) $5\frac{4}{9}x-5\frac{559}{720}=\frac{19}{6}\left(2x-1\frac{3}{8}\right)$

358) $-\frac{24}{5}+4\frac{3}{5}m=-\frac{1}{2}\left(m+\frac{9}{2}\right)$

359) $3\frac{3}{10}\left(3\frac{7}{9}r+1\right)=-8r-27\frac{2}{5}$

360) $-1\frac{6}{7}\left(\frac{4}{5}n-\frac{2}{7}\right)=9\frac{111}{196}+1\frac{4}{5}n$

361) $2\frac{175}{192}-x=-3\frac{5}{8}\left(4\frac{3}{4}x+1\right)+3\frac{5}{6}$

362) $-22\frac{2}{5}-7n=-\frac{17}{2}\left(n+4\frac{2}{5}\right)$

363) $-\frac{443}{270}+4\frac{5}{6}x=\frac{4}{9}\left(-3\frac{1}{3}x+4\frac{5}{6}\right)$

364) $-2\frac{5}{8}\left(\frac{1}{3}v+\frac{7}{10}\right)+4\frac{1}{9}v=-3\frac{1829}{5040}+5\frac{1}{7}v$

365) $-20\frac{19}{72}-2\frac{5}{6}b=5\frac{5}{6}\left(-1\frac{1}{2}b-1\frac{1}{2}\right)-\frac{2}{3}$

366) $-\frac{5}{8}\left(\frac{2}{3}x-\frac{11}{4}\right)=1\frac{3}{5}x+5\frac{197}{1120}$

367) $-\frac{1}{4}\left(p+\frac{1}{6}\right)=-\frac{4}{7}p-1\frac{109}{168}$

368) $-13\frac{1}{18}+5\frac{4}{5}x=-2\frac{4}{5}\left(\frac{2}{3}x+3\frac{3}{4}\right)$

369) $4\left(a+1\frac{2}{5}\right)=18\frac{16}{35}+\frac{8}{7}a$

370) $-\frac{13}{10}\left(k+\frac{19}{4}\right)+3\frac{4}{7}=-\frac{201}{1400}+2\frac{4}{5}k$

371) $-\frac{1119}{392}-2m=-1\frac{2}{7}\left(1\frac{3}{8}m+\frac{19}{8}\right)$

372) $\frac{5}{9}\left(x+1\frac{2}{3}\right)=\frac{4}{5}x+1\frac{278}{405}$

373) $16\frac{313}{360}+3\frac{5}{6}n=\frac{17}{4}\left(-\frac{5}{3}n-\frac{9}{10}\right)-\frac{3}{2}n$

374) $1\frac{13}{72}-3\frac{3}{4}r=-1\frac{1}{3}\left(\frac{13}{6}r+1\frac{3}{4}\right)+\frac{1}{2}$

375) $38\frac{139}{960}-1\frac{1}{8}v=3\frac{1}{6}\left(\frac{9}{5}v+1\right)$

376) $2\frac{1}{12}+6n=4\frac{1}{2}+1\frac{2}{3}\left(n+\frac{57}{10}\right)$

377) $\frac{2}{3}\left(-1\frac{5}{9}b+1\right)-\frac{1}{3}b=-\frac{104}{27}+\frac{8}{9}b$

378) $\frac{17}{10}x-3\frac{1}{9}\left(-\frac{5}{2}x+\frac{1}{2}\right)=27\frac{161}{270}+4\frac{1}{3}x$

379) $-\frac{1037}{504}+3\frac{1}{7}n=-1\frac{1}{4}\left(\frac{16}{9}n-\frac{1}{2}\right)$

380) $2\frac{5}{9}\left(\frac{2}{7}a+\frac{3}{4}\right)-\frac{1}{7}=9a+31\frac{403}{2268}$

381) $6\left(3\frac{1}{2}x+1\right)=34\frac{17}{50}-\frac{4}{5}x$

382) $3\frac{5}{7}-2\frac{1}{5}\left(x+3\frac{5}{9}\right)=-3\frac{7}{9}x-1\frac{362}{2835}$

383) $-20\frac{445}{567}+6\frac{3}{10}n=\frac{31}{9}\left(n-1\frac{3}{7}\right)$

384) $-\frac{3077}{5040}-\frac{6}{7}k=-\frac{2}{5}\left(3\frac{1}{4}k+1\frac{1}{9}\right)$

385) $8\left(-2\frac{1}{3}k+1\frac{1}{2}\right)=25\frac{1}{3}+8k$

386) $\frac{17}{6}\left(2p+1\frac{4}{7}\right)=17\frac{11}{14}-p$

387) $\frac{11}{6}\left(-\frac{1}{3}x+1\frac{2}{9}\right)+1\frac{4}{5}x=-1\frac{3}{8}x-2\frac{479}{540}$

388) $-1\frac{4}{5}\left(7n+2\frac{1}{6}\right)-\frac{5}{8}n=-43\frac{259}{320}-1\frac{2}{5}n$

389) $1\frac{2}{3}m-\frac{49}{72}=-3\frac{5}{6}\left(m-\frac{7}{3}\right)$

390) $-\frac{1}{16}-\frac{1}{2}x=-\frac{1}{2}\left(x+\frac{1}{8}\right)$

391) $-\frac{2243}{60}-1\frac{1}{2}r=-7\frac{1}{6}\left(r+4\frac{1}{10}\right)-\frac{1}{3}r$

392) $\frac{527}{168}+3b=3\frac{4}{7}\left(-\frac{1}{4}b+\frac{1}{3}\right)$

393) $1\frac{3}{7}x+\frac{3}{5}\left(2x-\frac{5}{3}\right)=-10x-1$

394) $\frac{1}{2}\left(-\frac{1}{10}v+\frac{1}{8}\right)=\frac{3}{10}v-\frac{19}{144}$

395) $-\frac{1}{2}n+\frac{881}{25}=-3\frac{1}{2}\left(4\frac{2}{5}n+1\right)$

396) $\frac{2}{7}\left(\frac{1}{5}x-2\frac{5}{6}\right)=2x+\frac{17}{7}$

397) $-3a+\frac{56}{15}=-\frac{1}{5}\left(a-\frac{2}{3}\right)$

398) $\frac{7}{8}k+30\frac{1}{4}=-\frac{13}{4}\left(-1\frac{3}{10}k+1\right)$

399) $\frac{1}{10}\left(4\frac{1}{6}p+1\right)=2\frac{307}{420}-p$

400) $-1\frac{1}{9}+\frac{28}{5}\left(-\frac{1}{2}x+9\frac{7}{10}\right)=x+\frac{50459}{1575}$

401) $-1\frac{2}{3}\left(\frac{3}{4}n+\frac{41}{12}\right)=7\frac{3}{4}n-4\frac{347}{396}$

402) $-\frac{2}{5}m-12\frac{689}{1260}=\frac{5}{3}\left(\frac{31}{6}m+5\frac{13}{14}\right)+\frac{1}{10}$

403) $1\frac{1}{12}-\frac{1}{4}\left(3\frac{2}{9}r-1\frac{1}{3}\right)=-\frac{5}{42}-2r$

404) $-1\frac{11}{13}\left(-3\frac{5}{14}x+1\right)=-\frac{1}{3}x+19\frac{2686}{3549}$

405) $-17\frac{95827}{120120}+5\frac{4}{11}x=6\frac{13}{14}\left(\frac{3}{5}x-1\frac{7}{13}\right)$

406) $-\frac{79}{154}-1\frac{6}{7}b=-\frac{17}{11}\left(b+1\frac{3}{10}\right)$

407) $-\frac{1}{7}n-2\frac{1}{3}\left(n+\frac{47}{12}\right)=-9\frac{5}{36}+7\frac{2}{9}n$

408) $-5\frac{9}{28}+5\frac{4}{5}v=\frac{17}{3}\left(v-\frac{4}{7}\right)-1\frac{1}{4}$

409) $\frac{461837}{66066}+7\frac{5}{13}n=6\frac{1}{7}n+1\frac{6}{11}\left(1\frac{1}{2}n+4\frac{1}{3}\right)$

410) $-8\frac{147}{208}-\frac{1}{4}a=\frac{5}{4}+6\frac{1}{14}\left(1\frac{3}{5}a-\frac{1}{8}\right)$

411) $-1\frac{3}{4}x-2\frac{1}{2}\left(x+\frac{1}{4}\right)=-\frac{153}{5}+1\frac{1}{5}x$

412) $5\frac{5}{8}\left(-\frac{1}{2}x+1\right)=-2x+1\frac{5}{32}$

413) $16\frac{11}{12}+n=2\left(2\frac{2}{9}n+1\right)+\frac{43}{6}$

414) $\frac{133}{40}+7\frac{1}{6}k=1\frac{13}{14}\left(6\frac{1}{2}k+5\frac{9}{10}\right)$

415) $2\frac{7}{11}p+2\frac{49}{2178}=-\frac{1}{2}\left(2p+3\frac{8}{9}\right)$

416) $-\frac{458}{63}+1\frac{1}{2}m=-1\frac{8}{9}\left(m+\frac{79}{14}\right)$

417) $-\frac{35}{3}\left(\frac{1}{3}n+\frac{17}{11}\right)=-\frac{1}{4}n-\frac{42775}{2772}$

418) $-1\frac{1}{5}+2\frac{2}{5}\left(\frac{11}{6}x-1\frac{5}{7}\right)=-8\frac{307}{420}+1\frac{2}{3}x$

419) $-\frac{5}{3}r-\frac{2321}{96}=4\frac{1}{3}\left(-\frac{17}{12}r+1\right)$

420) $-\frac{29}{8}-\frac{3}{11}\left(n+4\frac{1}{2}\right)=-9\frac{183}{1144}+n$

421) $-11\frac{71}{78}+7\frac{1}{3}x=\frac{3}{13}\left(\frac{11}{4}x+1\right)-2\frac{4}{7}$

422) $4\frac{1}{5}b+\frac{105436}{17745}=-\frac{8}{13}\left(1\frac{10}{13}b+\frac{1}{6}\right)$

423) $-\frac{3}{13}\left(1\frac{5}{12}x+5\frac{5}{8}\right)=-\frac{5355}{208}+6\frac{11}{12}x$

424) $-7\frac{2357}{6930}+1\frac{1}{3}v=\frac{38}{9}\left(\frac{2}{5}v-\frac{15}{11}\right)-1\frac{1}{10}$

425) $9\left(-\frac{5}{4}x+2\right)=\frac{119}{9}+3\frac{1}{12}x$

426) $9\frac{49}{52}+6\frac{1}{8}a=\frac{12}{13}\left(a-\frac{1}{2}\right)$

427) $-\frac{3}{4}\left(k-2\frac{1}{2}\right)=-3\frac{93}{196}+7\frac{4}{7}k$

428) $-3\frac{3}{10}p+3\frac{1}{10}\left(p-1\frac{1}{6}\right)=-3\frac{323}{660}-\frac{4}{11}p$

429) $-15\frac{13}{18}-1\frac{5}{6}x=6\frac{1}{4}\left(x-1\frac{2}{9}\right)$

430) $-67\frac{31}{32}-n=-\frac{3}{4}\left(8n+\frac{65}{8}\right)$

431) $-\frac{3523}{154}+\frac{1}{2}r=-\frac{1}{3}\left(8r+3\frac{6}{7}\right)$

432) $-7\frac{1}{10}\left(-2\frac{5}{9}m+\frac{16}{5}\right)=-54\frac{1753}{3150}+9\frac{13}{14}m$

433) $\frac{3}{10}\left(-1\frac{4}{7}n+1\right)=17\frac{317}{455}+1\frac{6}{13}n$

434) $-2x-7\frac{1381}{3960}=-\frac{20}{11}-\frac{5}{8}\left(x+\frac{44}{9}\right)$

435) $5\frac{4}{7}\left(-1\frac{1}{2}b+1\right)+\frac{15}{11}b=-6\frac{111}{1001}+\frac{3}{5}b$

436) $-\frac{4}{7}\left(4\frac{1}{2}v+1\right)+\frac{29}{14}v=1\frac{47}{175}+1\frac{4}{5}v$

437) $-\frac{7563}{455}+4\frac{1}{14}x=-\frac{7}{4}\left(\frac{33}{13}x+\frac{12}{7}\right)$

438) $-7\frac{63}{104}+\frac{1}{13}n=-3\frac{2}{5}\left(1\frac{3}{5}n+1\frac{3}{8}\right)+\frac{5}{3}$

439) $-\frac{3}{5}\left(-\frac{1}{8}a-1\frac{9}{13}\right)=6\frac{7}{8}a+4\frac{383}{390}$

440) $-12\frac{5}{8}\left(-\frac{79}{6}k+\frac{41}{14}\right)=-36\frac{109}{112}-\frac{1}{2}k$

441) $4\frac{8}{9}k-37\frac{1285}{1512}=6\frac{2}{7}+\frac{25}{6}\left(-9k+\frac{3}{7}\right)$

442) $2\frac{141}{364}+\frac{3}{8}x=2\left(-\frac{15}{14}x+1\right)$

443) $-24\frac{3}{10}+1\frac{2}{5}x=6\frac{1}{7}\left(-\frac{9}{4}x+1\right)$

444) $\frac{2349}{715}+\frac{10}{11}m=-\frac{7}{13}\left(m-\frac{9}{5}\right)$

445) $5\frac{11}{42}+4\frac{1}{6}n=6\frac{5}{6}\left(n-\frac{11}{7}\right)-\frac{8}{9}$

446) $-\left(-2x+\frac{102}{13}\right)=-7\frac{30}{143}+1\frac{8}{9}x$

447) $\frac{1}{6}\left(1\frac{2}{5}p+\frac{1}{3}\right)+5\frac{9}{13}p=\frac{2}{13}p+\frac{1132}{117}$

448) $2\frac{1}{7}\left(-\frac{13}{6}n+\frac{18}{11}\right)+6\frac{5}{6}n=-10\frac{4}{231}+\frac{1}{2}n$

449) $-1\frac{11}{12}\left(r-1\frac{5}{6}\right)=-22\frac{35}{72}+\frac{3}{4}r$

450) $\frac{15}{4}x+\frac{1}{13}\left(x+7\frac{1}{4}\right)=-\frac{3649}{468}+4\frac{11}{12}x$

451) $\frac{3}{4}m-\frac{649}{1701}=\frac{2}{3}\left(\frac{8}{9}m-\frac{26}{7}\right)+1\frac{1}{2}$

452) $-27\frac{17}{26}-\frac{7}{8}n=13\left(n+\frac{1}{2}\right)$

453) $\frac{6}{5}b-\frac{37}{12}\left(4\frac{3}{7}b-1\frac{9}{13}\right)=-39\frac{69967}{131040}+3\frac{1}{9}b$

454) $-\frac{229}{396}-\frac{5}{4}x=4\frac{1}{4}\left(\frac{1}{3}x-1\frac{2}{11}\right)$

455) $\frac{3}{13}\left(3\frac{4}{13}v+4\frac{9}{10}\right)=-2\frac{11}{13}v-\frac{11621}{2535}$

456) $-10\frac{206}{385}+\frac{1}{5}x=\frac{2}{11}x-1\frac{1}{5}\left(1\frac{1}{14}x-1\right)$

457) $-\frac{7}{4}\left(7\frac{7}{9}k+1\right)=-3\frac{3}{8}k-9\frac{31}{504}$

458) $\frac{92}{21}-\frac{1}{5}p=\frac{8}{5}\left(-1\frac{3}{7}p+1\right)$

459) $-\frac{1665}{112}+4\frac{7}{8}x=2\left(x+1\frac{1}{2}\right)$

460) $\frac{43}{6}\left(\frac{77}{12}a+1\right)=18\frac{283}{728}-2\frac{9}{14}a$

461) $\frac{1}{2}\left(1\frac{1}{2}n+\frac{1}{6}\right)+3\frac{5}{6}n=-1\frac{3}{8}n-7\frac{1}{15}$

462) $-\frac{32349}{728}-1\frac{1}{8}m=-\frac{5}{2}\left(1\frac{8}{13}m+7\frac{2}{7}\right)$

463) $-\frac{5}{4}r+\frac{94}{231}=\frac{2}{7}+\frac{8}{11}\left(1\frac{7}{11}r+\frac{1}{6}\right)$

464) $1\frac{1}{6}\left(2\frac{2}{3}x+\frac{4}{9}\right)=\frac{14}{27}+3\frac{9}{13}x$

465) $\frac{3}{8}\left(\frac{4}{5}n+1\right)=1\frac{2}{9}n+2\frac{727}{1800}$

466) $-\frac{151}{24}-1\frac{1}{6}b=-\frac{7}{2}\left(b+1\frac{3}{4}\right)$

467) $-v+42\frac{2}{5}=\frac{28}{5}\left(v+7\frac{1}{10}\right)$

468) $-\frac{1}{13}n+19\frac{243}{260}=\frac{9}{14}\left(3\frac{3}{4}n+1\frac{3}{5}\right)$

469) $\frac{2}{7}+1\frac{5}{8}\left(a+14\frac{2}{3}\right)=23\frac{121}{840}+3\frac{1}{4}a$

470) $-64\frac{411}{4160}-2\frac{7}{10}x=\frac{1}{13}x-3\frac{5}{8}\left(2x+\frac{23}{8}\right)$

471) $-8\left(1\frac{7}{11}x-2\frac{1}{6}\right)=10x+\frac{5780}{99}$

472) $-1\frac{4}{11}x-1\frac{193}{792}=-1\frac{1}{4}\left(x+\frac{8}{9}\right)$

473) $-1\frac{4}{7}k+2\frac{2}{13}\left(\frac{23}{14}k+\frac{69}{14}\right)=\frac{14150}{819}-1\frac{2}{3}k$

474) $-2\left(6\frac{2}{7}n+1\right)=-9\frac{13}{15}-1\frac{1}{3}n$

475) $-\frac{3077}{880}+1\frac{3}{11}x=-\left(1\frac{1}{8}x+\frac{20}{11}\right)$

476) $\frac{3077}{495}-\frac{10}{9}m=\frac{14}{11}m+5\frac{3}{8}\left(-\frac{3}{5}m+1\right)$

477) $-1\frac{3}{4}p-3\frac{421}{1248}=\frac{21}{8}\left(-1\frac{1}{2}p+1\frac{12}{13}\right)$

478) $6\frac{1}{7}-3\frac{3}{8}m=\frac{1}{2}\left(1\frac{5}{7}m+1\right)$

479) $\frac{39}{5}\left(\frac{1}{3}n-\frac{3}{5}\right)-\frac{10}{11}n=-\frac{5}{9}n-\frac{62549}{7425}$

480) $-18\frac{157}{168}+7\frac{7}{11}x=5\frac{1}{12}\left(\frac{1}{2}x+1\right)$

481) $-1\frac{2}{7}r+4\frac{1}{13}\left(-2\frac{9}{14}r+1\right)=\frac{6}{7}r+\frac{5815}{273}$

482) $-\frac{1}{4}\left(n-\frac{8}{5}\right)+\frac{91}{12}=2\frac{17}{30}+n$

483) $5\frac{1}{4}\left(1\frac{4}{5}v+\frac{1}{4}\right)=16\frac{653}{720}-3\frac{11}{12}v$

484) $5\frac{191}{539}+2b=2\left(6\frac{2}{7}b+2\right)-\frac{12}{11}b$

485) $-12\frac{63}{65}+13x=6\frac{10}{13}\left(14x+\frac{1}{2}\right)$

486) $-2\frac{1497}{1694}-\frac{15}{14}x=-4x+\frac{10}{11}\left(-\frac{4}{7}x+2\right)$

487) $8\frac{19}{45}+3\frac{1}{3}k=\frac{4}{5}\left(k+5\frac{7}{9}\right)$

488) $-11\frac{23}{110}-\frac{3}{7}a=-\frac{1}{8}\left(3\frac{9}{11}a-1\frac{5}{14}\right)-3\frac{7}{8}a$

489) $5\frac{2}{5}\left(p+1\frac{1}{2}\right)=20\frac{3}{5}-\frac{11}{10}p$

490) $-5\frac{29}{156}+4\frac{8}{13}x=-\frac{1}{3}\left(\frac{53}{12}x+1\right)-2x$

491) $-\frac{2}{5}\left(\frac{20}{3}m+\frac{1}{8}\right)=\frac{1}{10}m-\frac{2923}{360}$

492) $-3\frac{1}{2}\left(7\frac{5}{6}r-3\frac{5}{6}\right)=-67\frac{41}{132}+\frac{1}{3}r$

493) $18\frac{51}{56}-\frac{3}{2}n=7\frac{1}{4}\left(-\frac{15}{14}n+\frac{33}{10}\right)$

494) $-5b+13\frac{3}{7}=\frac{7}{2}\left(-\frac{37}{12}b+1\right)$

495) $-\frac{5}{6}x+2\left(\frac{2}{3}x+\frac{16}{3}\right)=\frac{169}{15}+1\frac{1}{10}x$

496) $4\frac{3}{8}+\frac{1}{2}\left(1\frac{3}{5}n+\frac{11}{14}\right)=\frac{1861}{3080}+5\frac{8}{9}n$

497) $-1\frac{4}{7}\left(v+\frac{3}{10}\right)-\frac{3}{2}v=-v+26\frac{16}{35}$

498) $\frac{173}{26}-\frac{1}{2}x=2\left(5x-1\frac{12}{13}\right)$

499) $-1\frac{6}{11}\left(10\frac{3}{11}a+2\frac{1}{2}\right)=\frac{112789}{6050}+\frac{1}{5}a$

500) $-\frac{7805}{216}-1\frac{5}{9}n=3\frac{1}{2}\left(2n-2\frac{7}{12}\right)$

501) $\frac{1}{2}x-1\frac{5}{13}x=-1\frac{5}{11}\left(1\frac{7}{10}x+\frac{11}{9}\right)-\frac{1}{2}\left(-\frac{9}{7}x+\frac{5}{6}\right)$

502) $k+1\frac{2}{3}\left(\frac{10}{9}k+\frac{23}{10}\right)=14\left(\frac{40}{9}k+9\right)-\frac{46}{13}$

503) $7\frac{1}{4}\left(-2\frac{3}{5}m+\frac{10}{9}\right)=-1\frac{1}{2}\left(m+\frac{11}{4}\right)-2m$

504) $-1\frac{6}{7}\left(n+\frac{4}{3}\right)=-3\frac{2}{3}\left(2\frac{4}{5}n+\frac{77}{12}\right)$

505) $-1\frac{3}{14}\left(\frac{3}{4}x+\frac{44}{13}\right)=2\frac{1}{8}x+\frac{3}{5}\left(1\frac{9}{10}x+1\frac{1}{3}\right)$

506) $5\frac{2}{9}\left(\frac{18}{13}p-2\frac{1}{7}\right)+1\frac{5}{7}=-p+13\left(2\frac{7}{12}p+1\right)$

507) $\frac{19}{10}\left(1\frac{1}{4}n+1\frac{3}{7}\right)=-1-\left(2\frac{1}{2}n+1\right)$

508) $b+7\frac{8}{13}+3\frac{1}{2}b=\frac{1}{2}\left(4\frac{3}{5}b+\frac{13}{11}\right)+2\frac{2}{3}\left(\frac{1}{3}b+12\right)$

509) $-1\frac{2}{3}\left(\frac{9}{10}x-\frac{5}{2}\right)-\frac{2}{5}x=-\left(x-2\frac{9}{14}\right)$

510) $3\frac{4}{7}x+\frac{13}{14}+x-\frac{47}{14}=-9\left(x+5\frac{1}{2}\right)+\frac{25}{13}\left(-\frac{3}{8}x+1\frac{1}{8}\right)$

511) $-\frac{3}{14}\left(r+1\frac{1}{2}\right)=-\frac{5}{4}-\frac{3}{7}\left(r+\frac{5}{2}\right)$

512) $-1\frac{3}{14}\left(2\frac{1}{11}n+1\frac{5}{7}\right)+\frac{37}{5}n=5\frac{3}{7}n+\frac{2}{3}\left(3\frac{7}{10}n+\frac{4}{7}\right)$

513) $-\frac{9}{11}\left(4\frac{1}{4}x+1\right)-1=7\frac{3}{7}\left(-2x-\frac{12}{7}\right)$

514) $\frac{1}{5}v-\frac{11}{13}v=2\left(7\frac{4}{9}v+1\right)+1\frac{1}{2}\left(2\frac{3}{10}v+1\frac{7}{13}\right)$

515) $\frac{1}{2}\left(\frac{10}{13}b+7\frac{7}{9}\right)+\frac{1}{8}b=1\frac{3}{7}+2\frac{7}{12}\left(5\frac{1}{2}b+6\frac{5}{12}\right)$

516) $-\frac{6}{7}+\frac{7}{4}\left(\frac{7}{13}x+\frac{2}{3}\right)=-\frac{18}{13}\left(\frac{3}{7}x+\frac{19}{14}\right)$

517) $a-\frac{13}{4}\left(6\frac{1}{2}a-10\right)=-\frac{8}{11}\left(\frac{7}{4}a-\frac{1}{4}\right)$

518) $-1\frac{2}{11}k+\frac{1}{3}\left(-\frac{5}{3}k+\frac{77}{10}\right)=-1\frac{1}{4}\left(k-1\frac{2}{9}\right)-\frac{19}{14}k$

519) $-\left(-\frac{5}{4}x-\frac{6}{11}\right)=7\frac{9}{14}\left(-\frac{9}{5}x+1\right)$

520) $-\left(\frac{4}{13}p+1\frac{1}{2}\right)+\frac{30}{7}\left(p-\frac{4}{3}\right)=1\frac{1}{2}p+\frac{3}{4}p$

521) $\frac{1}{2}\left(1\frac{1}{2}m+1\right)=\frac{8}{9}m-2\left(\frac{11}{14}m+1\frac{1}{2}\right)$

522) $4\frac{2}{3}n-\frac{6}{13}+\frac{7}{2}n=5\frac{1}{3}\left(n+\frac{7}{13}\right)+\frac{19}{4}\left(-1\frac{7}{10}n-\frac{5}{6}\right)$

523) $\frac{34}{7}\left(5\frac{7}{10}x+1\frac{4}{7}\right)=-1\frac{1}{3}+\frac{112}{9}\left(x+\frac{3}{2}\right)$

524) $\frac{3}{4}r+\frac{17}{6}\left(\frac{62}{11}r+2\right)=\frac{95}{14}\left(\frac{2}{7}r+1\right)+6\frac{2}{11}$

525) $-\frac{20}{7}\left(3\frac{2}{11}n-\frac{2}{3}\right)=-1\frac{1}{4}+1\frac{2}{5}\left(\frac{26}{9}n-\frac{19}{11}\right)$

526) $2b+2\frac{1}{2}+3\frac{5}{13}=\frac{94}{13}\left(b-\frac{1}{2}\right)-1\frac{1}{3}\left(4\frac{1}{7}b+5\frac{3}{10}\right)$

527) $-13\frac{1}{2}\left(v-\frac{1}{4}\right)=3\frac{10}{13}\left(-\frac{1}{2}v+\frac{67}{12}\right)$

528) $-\frac{1}{10}\left(\frac{5}{13}x-3\frac{4}{11}\right)+1\frac{3}{4}=-\frac{9}{10}\left(-\frac{1}{3}x+8\right)+\frac{2}{3}x$

529) $-\left(\frac{5}{8}k+1\right)=\frac{1}{2}\left(k-\frac{3}{4}\right)$

530) $-1\frac{3}{8}n+3\frac{1}{7}\left(1\frac{3}{7}n+1\frac{1}{6}\right)=1\frac{7}{8}\left(\frac{5}{12}n+1\right)$

531) $-1\frac{9}{13}\left(-\frac{3}{7}a+1\right)+\frac{99}{14}a=-\frac{1}{11}\left(2\frac{3}{7}a+7\frac{1}{6}\right)$

532) $6\frac{1}{12}\left(4\frac{1}{14}x+1\frac{1}{4}\right)=1\frac{1}{2}\left(\frac{21}{8}x-1\frac{1}{3}\right)$

533) $-\frac{5}{4}\left(x+1\frac{3}{7}\right)=-3\frac{7}{10}\left(4\frac{1}{3}x-1\right)$

534) $1\frac{3}{8}n-\frac{10}{13}\left(n+\frac{1}{9}\right)=-1\frac{2}{3}n+1\frac{9}{14}\left(n+7\frac{5}{6}\right)$

535) $-\frac{11}{5}+1\frac{1}{4}\left(-3\frac{1}{5}p+\frac{1}{5}\right)=\frac{9}{14}\left(5\frac{3}{4}p+\frac{13}{4}\right)$

536) $-2\frac{1}{3}-\frac{3}{13}\left(m+1\frac{5}{11}\right)=3\frac{5}{14}m-2\left(\frac{34}{5}m+\frac{1}{3}\right)$

537) $2\frac{4}{5}\left(-10\frac{5}{12}x+\frac{31}{6}\right)=\frac{3}{4}x+\frac{3}{5}\left(\frac{7}{9}x+\frac{19}{10}\right)$

538) $1\frac{1}{3}\left(-3\frac{3}{14}n+1\right)=1\frac{1}{5}\left(-6n+\frac{5}{13}\right)$

539) $\frac{8}{7}b+1\frac{1}{4}\left(\frac{3}{7}b-\frac{1}{5}\right)=2-\frac{2}{3}\left(5\frac{5}{14}b+1\right)$

540) $-\frac{1}{10}\left(-1\frac{4}{7}x-\frac{8}{13}\right)-\frac{10}{7}\left(-1\frac{1}{2}x-\frac{2}{3}\right)=\frac{79}{12}x+1+1\frac{3}{8}$

541) $\frac{21}{11}r+\frac{2}{3}\left(-\frac{25}{7}r+5\frac{3}{13}\right)=-1\frac{1}{6}\left(1\frac{5}{8}r-5\frac{5}{6}\right)+\frac{4}{3}r$

542) $-1\frac{4}{11}\left(\frac{4}{7}n+1\frac{3}{4}\right)=-1\frac{1}{8}\left(\frac{1}{3}n+\frac{23}{11}\right)$

543) $\frac{7}{8}\left(-\frac{27}{8}a+1\right)+2\frac{1}{4}\left(4\frac{1}{2}a-1\right)=a-1\frac{3}{8}-\frac{1}{2}a+1$

544) $-2\frac{2}{9}\left(v+\frac{3}{7}\right)+6\frac{7}{10}=\frac{1}{13}\left(1\frac{3}{5}v-10\right)$

545) $2\frac{1}{11}\left(\frac{49}{8}x+\frac{61}{13}\right)+3\frac{1}{6}=-2\frac{3}{8}\left(6\frac{2}{3}x+1\frac{1}{6}\right)$

546) $\frac{41}{10}x+\frac{12}{11}\left(-1\frac{3}{4}x+2\frac{1}{6}\right)=\frac{7}{5}\left(\frac{3}{2}x+1\right)$

547) $6\left(-\frac{1}{3}a+1\right)+\frac{3}{14}=\frac{4}{5}\left(a+\frac{7}{8}\right)-\frac{1}{2}a$

548) $2\left(\frac{3}{8}p+5\frac{5}{13}\right)+2\frac{1}{2}=3\frac{4}{5}\left(\frac{17}{3}p+\frac{1}{2}\right)$

549) $-\frac{29}{9}\left(\frac{5}{3}x+1\right)=1\frac{2}{7}-\frac{8}{5}\left(x+\frac{43}{10}\right)$

550) $4\frac{5}{6}\left(k-\frac{1}{4}\right)+\frac{3}{7}\left(1\frac{1}{2}k+2\right)=5\frac{3}{10}k+1\frac{4}{13}+1\frac{3}{13}k+1\frac{10}{13}$

551) $-\frac{2}{3}\left(1\frac{4}{11}n+1\right)+\frac{5}{13}n=\frac{4}{5}\left(-1\frac{3}{4}n+\frac{43}{8}\right)$

552) $3\frac{2}{3}\left(1\frac{4}{5}m+1\right)=-2\frac{5}{13}\left(-\frac{21}{11}m-3\frac{5}{14}\right)-\frac{3}{2}$

553) $\frac{15}{2}\left(x+\frac{5}{8}\right)=-\frac{6}{7}\left(1\frac{9}{11}x+1\frac{10}{13}\right)$

554) $r+1\frac{1}{2}+\frac{9}{2}r+11\frac{4}{11}=\frac{37}{9}\left(5\frac{3}{4}r+1\frac{1}{2}\right)-3\frac{7}{9}\left(1\frac{8}{13}r-2\frac{5}{12}\right)$

555) $-\frac{4}{5}n+2+n+\frac{3}{8}=7\frac{5}{6}\left(2\frac{6}{7}n+1\right)+3\frac{2}{7}\left(\frac{115}{9}n-\frac{4}{3}\right)$

556) $5\frac{3}{5}-\frac{25}{9}\left(\frac{35}{6}b+\frac{16}{9}\right)=3\frac{7}{9}b+7\frac{1}{2}\left(b+\frac{44}{7}\right)$

557) $-14\frac{1}{2}+\frac{7}{10}\left(1\frac{3}{10}v+\frac{77}{10}\right)=\frac{6}{7}v-14\left(v+2\frac{1}{8}\right)$

558) $7\frac{11}{12}-6\left(\frac{25}{4}x-14\right)=-2\frac{1}{12}\left(1\frac{7}{9}x+\frac{23}{6}\right)$

559) $-11\left(-\frac{2}{5}n+1\right)=-\frac{3}{2}\left(3\frac{11}{14}n+\frac{15}{2}\right)$

560) $-3\frac{1}{4}\left(3\frac{5}{7}a+1\frac{7}{13}\right)-3\frac{8}{11}\left(1\frac{4}{5}a+5\frac{7}{8}\right)=4\frac{5}{6}a+\frac{27}{4}a$

561) $\frac{17}{11}\left(x+3\frac{7}{9}\right)=-1-1\frac{1}{2}\left(x-\frac{15}{4}\right)$

562) $-1\frac{2}{3}\left(3k+5\frac{3}{7}\right)=2\frac{2}{9}-3\frac{1}{5}\left(\frac{9}{13}k+12\right)$

563) $11\frac{2}{5}\left(x+\frac{13}{10}\right)+\frac{3}{11}=-9\frac{1}{2}x-1\frac{3}{4}\left(\frac{9}{7}x+\frac{1}{7}\right)$

564) $3\frac{2}{9}\left(\frac{37}{14}n+\frac{38}{5}\right)=6\frac{3}{4}\left(n+4\frac{1}{2}\right)$

565) $-1\frac{1}{5}\left(-2p+1\frac{9}{10}\right)=-2\left(-\frac{7}{8}p+\frac{1}{2}\right)$

566) $2\frac{7}{11}\left(\frac{21}{4}m+2\frac{7}{11}\right)=1\frac{4}{5}\left(1\frac{1}{4}m+1\frac{3}{10}\right)$

567) $\frac{38}{13}\left(x+2\frac{3}{8}\right)+\frac{1}{5}x=-\frac{7}{12}+4\frac{1}{2}\left(\frac{1}{4}x+1\right)$

568) $7\frac{5}{12}\left(n-\frac{2}{3}\right)+4\frac{5}{11}\left(1\frac{1}{4}n+7\right)=1\frac{5}{6}n+\frac{1}{2}n$

569) $6\frac{3}{8}\left(\frac{47}{11}b-1\frac{1}{4}\right)-1\frac{5}{6}=\frac{9}{10}\left(\frac{13}{4}b+5\frac{3}{7}\right)$

570) $\frac{41}{12}\left(r+5\frac{3}{7}\right)-\frac{4}{5}r=-1\frac{3}{13}\left(1\frac{5}{14}r-\frac{11}{6}\right)$

571) $\frac{1}{2}\left(4\frac{3}{10}x+\frac{11}{12}\right)+\frac{1}{2}=-3\frac{11}{12}\left(x+1\frac{1}{12}\right)$

572) $2\left(\frac{1}{2}n+1\right)=1\frac{2}{7}n-\frac{13}{4}\left(1\frac{2}{9}n-2\right)$

573) $\frac{4}{5}\left(3\frac{1}{13}v+1\right)=-9\frac{1}{7}\left(\frac{14}{13}v-1\frac{3}{4}\right)$

574) $3\frac{4}{5}\left(-\frac{2}{3}a+\frac{3}{14}\right)=-3\frac{1}{6}+2\left(-\frac{3}{10}a+\frac{63}{8}\right)$

575) $-9\left(-1\frac{8}{9}x+2\frac{7}{12}\right)=\frac{39}{10}\left(x+5\frac{3}{14}\right)$

576) $\frac{5}{7}\left(\frac{17}{10}x+4\frac{7}{8}\right)-\frac{27}{10}\left(3\frac{3}{5}x+4\frac{11}{12}\right)=5\frac{1}{6}x-\frac{1}{7}x$

577) $7\left(a-5\frac{4}{5}\right)-\frac{1}{5}a=-2\frac{1}{3}\left(-1\frac{9}{14}a-1\frac{5}{13}\right)$

578) $\frac{1}{2}\left(x-\frac{28}{9}\right)+\frac{4}{5}\left(x+\frac{1}{2}\right)=-7x-\frac{8}{3}x$

579) $-3\frac{1}{2}\left(p-\frac{1}{9}\right)+1=\frac{3}{10}\left(\frac{1}{3}p+1\frac{1}{3}\right)+1\frac{2}{3}$

580) $\frac{17}{8}\left(\frac{13}{14}k-\frac{29}{14}\right)+3\frac{3}{13}k=7\frac{3}{14}-1\frac{3}{14}\left(\frac{20}{7}k-\frac{1}{3}\right)$

581) $\frac{12}{7}\left(\frac{31}{6}n+\frac{1}{2}\right)=1\frac{12}{13}\left(n+1\frac{9}{10}\right)$

582) $-1\frac{3}{14}r+\frac{9}{8}\left(2r+\frac{4}{5}\right)=\frac{10}{13}+2\frac{11}{14}\left(2\frac{7}{12}r+1\right)$

583) $7\frac{1}{6}\left(1\frac{8}{9}n+1\right)+1\frac{3}{7}=1\frac{9}{11}\left(6\frac{1}{8}n+6\frac{5}{8}\right)$

584) $\frac{1}{7}\left(\frac{3}{5}x-\frac{7}{8}\right)-3\frac{1}{10}=-\left(\frac{13}{6}x+1\right)-4x$

585) $\frac{13}{2}m+4\frac{11}{14}+\frac{6}{13}=3\frac{1}{6}\left(-2\frac{2}{3}m-1\frac{1}{3}\right)+\frac{7}{10}\left(3\frac{9}{10}m-1\frac{6}{13}\right)$

586) $-3\frac{2}{7}\left(b+2\frac{1}{3}\right)+\frac{5}{8}=1\frac{1}{6}\left(b+\frac{1}{13}\right)$

587) $-\frac{3}{4}x-\frac{9}{5}\left(5x+4\frac{1}{6}\right)=-\left(x-1\frac{1}{4}\right)$

588) $-7\left(n+\frac{5}{4}\right)=\frac{1}{2}\left(-1\frac{1}{2}n+2\frac{4}{11}\right)-3$

589) $6\frac{4}{9}\left(7\frac{1}{6}v-\frac{16}{9}\right)+6\frac{5}{6}\left(\frac{1}{12}v-\frac{3}{2}\right)=\frac{3}{2}v+1\frac{1}{2}-1\frac{1}{3}v$

590) $\frac{2}{5}\left(-\frac{1}{2}k-\frac{11}{4}\right)=-2\frac{13}{14}\left(1\frac{1}{3}k+1\right)$

591) $2\frac{3}{4}\left(\frac{1}{3}a+\frac{7}{11}\right)+\frac{2}{3}=\frac{25}{6}\left(2\frac{5}{8}a+\frac{9}{4}\right)$

592) $\frac{19}{9}\left(-4\frac{7}{13}x+\frac{10}{11}\right)=\frac{5}{6}\left(x+\frac{12}{13}\right)$

593) $1\frac{6}{11}\left(\frac{6}{7}x+\frac{39}{11}\right)=\frac{1}{4}\left(-3\frac{5}{6}x+\frac{3}{2}\right)$

594) $\frac{49}{9}\left(3\frac{1}{3}p+1\right)=12+5\frac{9}{10}\left(\frac{1}{8}p+1\right)$

595) $6\frac{2}{7}-\frac{13}{14}\left(m-1\frac{5}{9}\right)=\frac{36}{7}+3\frac{2}{3}\left(m+3\frac{1}{9}\right)$

596) $-\frac{4}{11}\left(\frac{1}{2}x+\frac{16}{5}\right)=1\frac{2}{3}\left(x+2\frac{1}{6}\right)$

597) $n+6\frac{1}{2}+\frac{29}{4}n+\frac{2}{3}=-1\frac{9}{10}\left(\frac{1}{8}n-2\frac{11}{13}\right)-2\left(\frac{81}{11}n-2\right)$

598) $-\frac{1}{12}\left(-2n+5\frac{7}{9}\right)+\frac{63}{8}n=1\frac{8}{9}\left(-5n+\frac{17}{3}\right)+1\frac{2}{7}n$

599) $-\frac{8}{3}b+\frac{5}{12}\left(\frac{5}{6}b+1\right)=4\frac{2}{5}+1\frac{5}{9}\left(\frac{3}{2}b+2\right)$

600) $-1\frac{3}{7}\left(\frac{97}{14}r-\frac{1}{2}\right)+\frac{1}{8}r=\frac{1}{4}\left(r-1\frac{1}{6}\right)+\frac{3}{8}r$

601) $-\frac{7}{6}+15\frac{8}{35}\left(\frac{15}{23}m+\frac{8}{19}\right)=\frac{23}{22}+\frac{25}{36}\left(-\frac{6}{7}m-24\right)$

602) $\frac{7}{3}\left(1\frac{1}{35}x-2\right)+19\frac{29}{31}=1\frac{19}{21}\left(\frac{62}{21}x-\frac{2}{3}\right)$

603) $-\frac{2}{7}\left(\frac{45}{19}n+17\frac{1}{8}\right)=14\frac{7}{19}\left(1\frac{9}{11}n+\frac{119}{9}\right)$

604) $\frac{641}{37}n+14\frac{17}{19}n=-\frac{53}{19}\left(n-\frac{37}{24}\right)+\frac{2}{7}\left(\frac{5}{9}n+\frac{164}{31}\right)$

605) $-\frac{3}{23}\left(\frac{8}{27}r+1\frac{1}{3}\right)-\frac{22}{25}r=9\frac{27}{37}+9\frac{6}{25}\left(1\frac{1}{5}r-2\right)$

606) $-\frac{13}{27}-1\frac{11}{24}\left(-\frac{69}{35}b+\frac{184}{17}\right)=15\frac{1}{27}\left(15\frac{5}{24}b+34\right)$

607) $17\frac{6}{7}\left(\frac{555}{31}v+8\frac{1}{6}\right)=25\left(1\frac{2}{17}v-\frac{19}{20}\right)$

608) $20\frac{23}{29}\left(x+10\frac{4}{9}\right)=\frac{1}{4}\left(2x+\frac{82}{31}\right)+2x$

609) $1\frac{2}{9}\left(n-\frac{5}{13}\right)-\frac{18}{23}n=\frac{4}{5}\left(1\frac{5}{6}n+15\frac{4}{5}\right)+12\frac{4}{5}n$

610) $\frac{386}{27}\left(a+\frac{20}{27}\right)=24a-\frac{2}{19}\left(a-\frac{11}{32}\right)$

611) $-\frac{17}{18}\left(10\frac{26}{33}k+9\frac{31}{35}\right)=\frac{235}{26}\left(-1\frac{16}{17}k-\frac{5}{14}\right)$

612) $-38\left(-2\frac{8}{27}p+6\frac{5}{9}\right)=-\frac{1}{2}p+17\frac{5}{19}\left(\frac{125}{38}p+1\right)$

613) $1\frac{12}{25}\left(\frac{23}{29}m-1\frac{3}{16}\right)=-\frac{34}{35}\left(\frac{473}{37}m-1\right)$

614) $38\left(16\frac{3}{14}x+15\frac{25}{26}\right)+1\frac{13}{14}x=-1\frac{2}{3}+20\frac{19}{36}\left(x+\frac{295}{16}\right)$

615) $1\frac{1}{2}\left(-\frac{9}{10}r+1\frac{34}{35}\right)-\frac{7}{10}\left(9\frac{9}{22}r+6\frac{5}{8}\right)=30r+2\frac{4}{5}r$

616) $1\frac{1}{2}\left(18\frac{21}{40}n+5\frac{11}{13}\right)+3\frac{4}{19}\left(-\frac{1}{9}n+1\frac{1}{9}\right)=\frac{7}{16}n+\frac{545}{39}-1\frac{4}{23}n-1\frac{29}{31}$

617) $\frac{475}{24}\left(x+\frac{491}{39}\right)=\frac{30}{29}\left(1\frac{13}{14}x-\frac{13}{18}\right)$

618) $18\frac{1}{30}n-\frac{2}{5}\left(1\frac{2}{3}n+\frac{1}{3}\right)=-1\frac{1}{3}\left(\frac{33}{34}n+\frac{3}{14}\right)$

619) $-\frac{5}{13}r-\frac{31}{17}\left(1\frac{8}{11}r+14\frac{7}{16}\right)=-\frac{38}{17}\left(15\frac{19}{26}r-\frac{1}{5}\right)$

620) $-\frac{7}{38}\left(2\frac{17}{18}x-\frac{2}{3}\right)+\frac{11}{19}\left(\frac{5}{11}x+\frac{13}{15}\right)=-\frac{34}{37}x-\frac{2}{7}x$

621) $-1\frac{7}{19}\left(n-\frac{1}{20}\right)-2\frac{16}{33}=-20\left(\frac{31}{37}n+1\frac{1}{20}\right)$

622) $8\frac{33}{34}-\left(1\frac{32}{35}b+6\frac{8}{9}\right)=9\frac{9}{17}\left(12\frac{24}{31}b+\frac{9}{2}\right)-1\frac{13}{20}b$

623) $-\frac{5}{8}\left(1\frac{9}{20}x+\frac{10}{7}\right)-18x=-\frac{1}{2}\left(x+\frac{37}{2}\right)$

624) $-20+9\frac{2}{5}\left(x+5\frac{23}{26}\right)=-\frac{5}{21}+\frac{2}{15}\left(\frac{47}{10}x-1\frac{5}{18}\right)$

625) $-2\frac{5}{13}-3\frac{28}{29}\left(-\frac{1}{4}v-1\frac{5}{6}\right)=-\frac{14}{13}v+1\frac{1}{5}\left(\frac{23}{16}v+\frac{1}{7}\right)$

626) $a-\frac{9}{5}+10\frac{4}{5}a+1\frac{25}{31}=31\left(\frac{1}{16}a-\frac{3}{2}\right)+1\frac{3}{5}\left(\frac{1}{6}a+7\frac{5}{12}\right)$

627) $9\frac{7}{13}\left(\frac{19}{24}n+1\right)+1\frac{7}{38}=-\left(37n+1\frac{1}{8}\right)$

628) $\frac{269}{33}\left(p-\frac{11}{30}\right)=14\frac{5}{12}\left(\frac{261}{13}p+9\frac{7}{33}\right)+8\frac{8}{17}p$

629) $-\frac{129}{40}k-\frac{2}{11}k=-\frac{3}{2}\left(k+\frac{646}{35}\right)+1\frac{19}{31}\left(\frac{2}{3}k-\frac{8}{11}\right)$

630) $-\frac{17}{12}\left(x-\frac{31}{36}\right)+\frac{393}{22}=1\frac{2}{5}-\frac{6}{7}\left(x+\frac{3}{4}\right)$

631) $\frac{488}{27}-1\frac{11}{15}\left(18\frac{7}{12}n+\frac{11}{23}\right)=11\frac{2}{3}\left(n+1\frac{5}{13}\right)$

632) $\frac{69}{8}-\frac{3}{4}\left(33m+12\frac{2}{15}\right)=1\frac{2}{9}\left(\frac{305}{18}m+20\frac{18}{25}\right)$

633) $\frac{31}{34}r-1\frac{4}{7}r=19\frac{9}{23}\left(1\frac{3}{13}r-\frac{817}{26}\right)+\frac{1}{3}\left(r+15\frac{8}{31}\right)$

634) $-\frac{1}{14}x-1\frac{17}{18}\left(6\frac{28}{39}x+9\frac{7}{10}\right)=38+17\frac{13}{20}\left(\frac{3}{4}x-2\right)$

635) $-\frac{2}{13}n-\frac{1}{23}+16\frac{21}{32}=4\frac{13}{34}\left(-19\frac{2}{7}n+\frac{373}{34}\right)+11\frac{11}{18}\left(9\frac{5}{36}n+14\frac{11}{34}\right)$

636) $-4\frac{7}{27}\left(v+11\frac{17}{36}\right)=\frac{14}{15}v+\frac{3}{2}\left(8\frac{5}{33}v+\frac{735}{38}\right)$

637) $\frac{14}{15}\left(2b+1\frac{1}{3}\right)+\frac{12}{23}=\frac{31}{3}-\frac{7}{20}\left(3\frac{1}{2}b+6\frac{1}{12}\right)$

638) $5\frac{4}{7}\left(-\frac{21}{20}x+\frac{8}{9}\right)+\frac{377}{18}=\frac{19}{30}\left(x+\frac{65}{4}\right)$

639) $1\frac{6}{19}\left(\frac{343}{18}n+7\frac{5}{23}\right)=\frac{47}{15}\left(\frac{123}{38}n+19\frac{17}{31}\right)$

640) $-3\frac{21}{40}a+1+\frac{644}{31}a=\frac{307}{16}\left(a+\frac{77}{24}\right)+23\left(a+1\frac{2}{23}\right)$

641) $\frac{299}{16}\left(k+\frac{9}{37}\right)+4\frac{3}{10}=\frac{18}{37}\left(k-1\frac{11}{40}\right)-2k$

642) $-\frac{7}{16}\left(18\frac{17}{24}p+1\right)+\frac{31}{30}p=12\frac{27}{40}\left(\frac{9}{23}p+\frac{134}{9}\right)+2$

643) $-\frac{1}{2}\left(-8n-\frac{3}{14}\right)=\frac{75}{8}\left(n-1\frac{21}{25}\right)$

644) $-\frac{2}{3}x+18\frac{9}{28}\left(x+\frac{537}{31}\right)=-1\frac{2}{25}\left(-33x+\frac{27}{22}\right)$

645) $\frac{4}{29}\left(11\frac{1}{4}m-\frac{13}{37}\right)+\frac{1}{3}=15m-1\frac{13}{21}\left(-28m+14\frac{1}{6}\right)$

646) $\frac{15}{16}r+14\left(r-\frac{28}{39}\right)=-\frac{17}{19}\left(r+7\frac{7}{11}\right)+\frac{485}{27}$

647) $\frac{219}{25}-40\left(1\frac{3}{5}x-1\right)=2\frac{1}{3}x-\frac{3}{2}\left(1\frac{1}{6}x+24\frac{7}{10}\right)$

648) $-2\frac{19}{26}\left(\frac{1}{7}b-\frac{8}{9}\right)=1\frac{1}{4}\left(6\frac{1}{16}b+1\right)$

649) $20\frac{3}{22}\left(-34n+1\frac{17}{19}\right)+14\frac{11}{16}\left(n+4\frac{4}{13}\right)=-1\frac{1}{3}n-\frac{26}{25}+6\frac{1}{24}$

650) $-1\frac{7}{12}\left(-1\frac{10}{17}x+1\right)=-1\frac{8}{15}\left(1\frac{1}{6}x+11\frac{19}{29}\right)$

651) $-1\frac{27}{31}v+5\frac{7}{18}\left(\frac{187}{12}v+26\frac{37}{38}\right)=6\frac{5}{39}\left(5\frac{13}{14}v+1\right)$

652) $1\frac{4}{39}\left(\frac{332}{35}n+1\frac{11}{36}\right)-\frac{31}{39}n=1\frac{25}{36}-22\left(\frac{132}{23}n-1\frac{20}{31}\right)$

653) $18\frac{1}{2}+9\frac{2}{21}\left(\frac{250}{21}v+\frac{202}{15}\right)=10\frac{5}{37}\left(v-1\frac{2}{17}\right)$

654) $8\frac{3}{5}a-\frac{5}{6}\left(\frac{63}{34}a+3\frac{28}{37}\right)=1\frac{2}{3}a+9\frac{5}{6}\left(a+\frac{42}{11}\right)$

655) $1\frac{1}{2}x+4\frac{1}{4}x=18\frac{8}{19}\left(\frac{3}{10}x+\frac{1}{2}\right)+18\frac{16}{25}\left(x+1\frac{25}{36}\right)$

656) $1\frac{29}{30}k-6\left(3\frac{1}{21}k+1\right)=13\frac{17}{19}\left(k+1\frac{1}{2}\right)$

657) $13\frac{3}{7}\left(\frac{9}{19}x-\frac{91}{34}\right)+\frac{1}{8}x=\frac{3}{5}\left(\frac{4}{19}x+15\frac{13}{24}\right)+\frac{1}{2}x$

658) $-\frac{16}{17}\left(p+\frac{2}{35}\right)=7\frac{9}{29}+\frac{177}{19}\left(p+\frac{119}{6}\right)$

659) $2\frac{7}{24}\left(n+8\frac{5}{33}\right)+1\frac{17}{39}=-\frac{13}{14}\left(\frac{13}{14}n-\frac{1}{4}\right)+\frac{4}{37}n$

660) $\frac{9}{22}\left(8\frac{2}{35}n+1\frac{11}{23}\right)=\frac{203}{12}\left(-\frac{6}{17}n-\frac{31}{22}\right)$

661) $\frac{216}{25}m+1+\frac{56}{33}m=13\frac{29}{30}\left(17\frac{13}{32}m+\frac{5}{6}\right)+\frac{111}{8}\left(m+15\frac{15}{28}\right)$

662) $-29\left(x+19\frac{13}{15}\right)+3\frac{21}{26}\left(-1\frac{13}{32}x+15\frac{15}{16}\right)=18\frac{13}{14}x+\frac{63}{34}+\frac{3}{13}x-\frac{23}{18}$

663) $\frac{287}{33}r+\frac{165}{28}\left(13\frac{37}{39}r-2\right)=\frac{23}{24}\left(r+\frac{11}{21}\right)$

664) $13\frac{4}{17}\left(8\frac{1}{6}x+\frac{16}{33}\right)+\frac{116}{11}=-\frac{23}{20}\left(-\frac{13}{22}x+\frac{7}{19}\right)+20\frac{11}{20}$

665) $-\frac{7}{9}\left(\frac{8}{27}b+1\right)=-\frac{32}{17}+11\frac{17}{28}\left(9\frac{7}{9}b+\frac{29}{31}\right)$

666) $8\frac{1}{38}\left(2n+\frac{184}{21}\right)=\frac{4}{39}\left(\frac{26}{15}n+\frac{1}{3}\right)+\frac{344}{29}$

667) $-1\frac{13}{16}v+15\frac{14}{25}+\frac{3}{5}v+\frac{43}{24}=1\frac{2}{31}\left(28v+16\frac{1}{15}\right)+\frac{7}{9}\left(16\frac{9}{13}v+1\right)$

668) $\frac{93}{35}\left(x+\frac{17}{16}\right)-2\frac{24}{25}x=\frac{105}{22}\left(\frac{1}{5}x-1\frac{1}{7}\right)+1\frac{2}{21}x$

669) $-\frac{10}{11}-\frac{13}{12}\left(n-\frac{13}{18}\right)=\frac{17}{27}\left(n+\frac{281}{24}\right)+7\frac{1}{40}n$

670) $\frac{335}{16}k+17\frac{5}{21}\left(\frac{25}{26}k+7\frac{7}{30}\right)=21\left(k+16\frac{5}{6}\right)$

671) $-\frac{29}{8}\left(a+8\frac{5}{31}\right)=\frac{419}{32}\left(\frac{12}{35}a+14\frac{2}{11}\right)$

672) $14\frac{14}{27}\left(2\frac{23}{35}x+\frac{22}{27}\right)=-\frac{17}{23}\left(\frac{199}{21}x+\frac{733}{35}\right)$

673) $7\frac{2}{5}p+\frac{23}{13}p=-7\left(-\frac{29}{37}p+\frac{17}{20}\right)+\frac{2}{11}\left(p+\frac{97}{13}\right)$

674) $\frac{3}{2}\left(\frac{8}{11}n+1\frac{9}{13}\right)-\frac{17}{25}\left(\frac{8}{9}n+7\frac{3}{8}\right)=n+\frac{2}{5}-\frac{23}{26}$

675) $\frac{5}{2}+8\frac{13}{22}\left(1\frac{3}{10}m+\frac{443}{31}\right)=14\frac{1}{6}+18\frac{1}{16}\left(1\frac{10}{33}m+1\frac{12}{23}\right)$

676) $16\frac{3}{10}\left(-\frac{13}{16}r+1\frac{1}{9}\right)=23\left(\frac{10}{21}r-\frac{43}{11}\right)$

677) $\frac{1}{2}+39\frac{19}{21}\left(20\frac{8}{35}x-\frac{10}{7}\right)=20\frac{23}{24}\left(4\frac{27}{31}x-27\frac{6}{23}\right)$

678) $-\frac{17}{9}b-\frac{34}{21}\left(b+2\frac{1}{2}\right)=6\frac{13}{20}\left(11\frac{21}{38}b+1\frac{7}{39}\right)$

679) $-\frac{29}{20}\left(3\frac{13}{20}n+\frac{49}{6}\right)=7\frac{7}{32}-2\frac{10}{13}\left(15\frac{13}{37}n-\frac{43}{16}\right)$

680) $7\frac{3}{37}\left(-16v+6\frac{25}{26}\right)=-25\left(\frac{33}{20}v-\frac{19}{20}\right)-\frac{13}{16}v$

681) $5\frac{5}{6}\left(x-1\frac{3}{11}\right)-\frac{5}{3}\left(20\frac{16}{39}x+\frac{7}{11}\right)=-1\frac{17}{32}x+11\frac{1}{19}x$

682) $26\left(a+\frac{115}{16}\right)=\frac{16}{17}\left(\frac{14}{3}a-1\frac{3}{5}\right)$

683) $3\frac{23}{36}\left(n+16\frac{1}{2}\right)=5\frac{19}{33}-3\frac{1}{6}\left(\frac{2}{3}n+\frac{241}{18}\right)$

684) $\frac{197}{10}v+13\frac{1}{2}\left(28\frac{2}{23}v+\frac{7}{30}\right)=\frac{56}{3}v-\frac{1}{3}\left(\frac{11}{23}v+1\frac{26}{37}\right)$

685) $\frac{375}{38}\left(\frac{37}{8}x+1\right)=\frac{43}{5}+37\left(9\frac{35}{38}x+15\frac{5}{23}\right)$

686) $17\frac{32}{39}\left(k+18\frac{6}{13}\right)=\frac{1}{4}\left(\frac{543}{31}k+\frac{4}{13}\right)$

687) $\frac{35}{33}\left(n-1\frac{11}{12}\right)=-\frac{7}{4}\left(1\frac{26}{33}n+\frac{14}{23}\right)$

688) $\frac{24}{37}\left(17\frac{17}{28}x+1\right)=-34\left(x+\frac{4}{5}\right)-\frac{35}{19}x$

689) $-\frac{19}{12}\left(m+9\frac{22}{31}\right)=-\frac{7}{11}\left(\frac{2}{3}m+\frac{27}{32}\right)$

690) $18\frac{1}{30}x+\frac{26}{5}\left(x+\frac{17}{9}\right)=\frac{1}{28}\left(\frac{4}{7}x+1\right)$

691) $-1\frac{9}{17}p+9\frac{1}{6}p=3\frac{3}{10}\left(\frac{75}{19}p+12\frac{3}{8}\right)-29\frac{11}{28}\left(11\frac{3}{7}p+\frac{5}{21}\right)$

692) $\frac{527}{32}\left(\frac{340}{37}n+1\right)=-1\frac{3}{11}n+7\frac{2}{17}\left(\frac{8}{23}n-\frac{68}{37}\right)$

693) $-\frac{24}{11}r+1\frac{21}{31}\left(11\frac{1}{35}r+1\right)=13\frac{12}{25}\left(29r-1\frac{20}{27}\right)$

694) $\frac{649}{32}x-\frac{5}{23}x=-\frac{16}{29}\left(-\frac{16}{9}x+1\right)-\frac{2}{3}\left(x+\frac{257}{18}\right)$

695) $1\frac{12}{13}\left(\frac{275}{39}x-1\frac{11}{31}\right)=\frac{95}{6}\left(x+17\frac{13}{15}\right)$

696) $-1\frac{16}{27}\left(n+7\frac{1}{2}\right)=1\frac{1}{9}-3\frac{1}{13}\left(-\frac{19}{26}n+7\frac{13}{16}\right)$

697) $2\frac{6}{17}\left(b-\frac{11}{7}\right)-28\left(-\frac{1}{3}b-\frac{1}{13}\right)=-\frac{5}{12}b-1\frac{5}{36}b$

698) $\frac{1}{18}\left(18\frac{7}{23}v+1\frac{5}{7}\right)+\frac{14}{23}v=\frac{10}{33}\left(6\frac{5}{12}v+\frac{112}{9}\right)$

699) $-1\frac{4}{7}\left(x+13\frac{11}{30}\right)=-39x-\frac{1}{2}\left(7\frac{21}{40}x+1\right)$

700) $-\frac{3}{8}-\frac{8}{29}\left(-\frac{31}{18}a-\frac{1}{2}\right)=-\frac{22}{39}\left(1\frac{8}{9}a+17\frac{8}{27}\right)-\frac{27}{31}$

Multi-step equations - fractions

Solve each equation.

1) $-1\frac{5}{6}b + 3\frac{5}{6}b = \frac{1}{6} + \frac{11}{6}b$ $\{1\}$

2) $\frac{113}{20} - 1\frac{1}{4}v = v + \frac{8}{5}$ $\left\{1\frac{4}{5}\right\}$

3) $1\frac{29}{45} + \frac{2}{5}x = -1\frac{1}{2}x + 1\frac{1}{3} + 2\frac{5}{6}x$ $\left\{\frac{1}{3}\right\}$

4) $-\frac{7}{3}n + 1\frac{1}{6}n - 2\frac{7}{18} = \frac{7}{4}n + 1\frac{1}{2}$ $\left\{-1\frac{1}{3}\right\}$

5) $\frac{7}{2}x + 1\frac{5}{6} = -\frac{15}{4} - \frac{7}{6}x + 1 + 3x$ $\left\{-2\frac{3}{4}\right\}$

6) $\frac{4}{5}n + 6 = -n - 5\frac{2}{5}$ $\left\{-6\frac{1}{3}\right\}$

7) $-\frac{367}{40} + \frac{3}{4}a + 2a = -3\frac{1}{2}a + \frac{1}{5}$ $\left\{1\frac{1}{2}\right\}$

8) $6\frac{9}{10} + \frac{1}{4}k = 1\frac{2}{5}k - \frac{1}{4} + \frac{8}{5}k$ $\left\{2\frac{3}{5}\right\}$

9) $\frac{19}{6}x - \frac{1}{2} = \frac{13}{18} + x - 1\frac{2}{3} - 1$ $\left\{-\frac{2}{3}\right\}$

10) $2\frac{5}{6}x - 1\frac{29}{36} = \frac{11}{3}x + 1\frac{1}{4}$ $\left\{-3\frac{2}{3}\right\}$

11) $-\frac{3}{4}n + \frac{3}{2} + 2n = -\frac{7}{2} - 3\frac{3}{4}n$ $\{-1\}$

12) $-8\frac{23}{48} - 3\frac{2}{3}m = 1\frac{3}{4}m + 1$ $\left\{-1\frac{3}{4}\right\}$

13) $2\frac{1}{3}p + 10\frac{2}{3} = \frac{1}{3}p + 3\frac{1}{3} + 2\frac{1}{3}$ $\left\{-2\frac{1}{2}\right\}$

14) $x + \frac{11}{4} - 3x - 1\frac{1}{6} = -1\frac{1}{2}x + 1 + \frac{1}{3}$ $\left\{\frac{1}{2}\right\}$

15) $2\frac{1}{6}n + \frac{245}{24} = -\frac{7}{4}n + n$ $\left\{-3\frac{1}{2}\right\}$

16) $\frac{2}{5}m - 2\frac{7}{30} = -2\frac{1}{6}m + \frac{1}{3}m$ $\{1\}$

17) $-6\frac{17}{48} - \frac{5}{4}r + 3\frac{1}{2} + 1\frac{5}{6} = -r - 1\frac{1}{3}$ $\left\{1\frac{1}{4}\right\}$

18) $1\frac{8}{9} - \frac{1}{2}n = \frac{1}{6}n + 1$ $\left\{1\frac{1}{3}\right\}$

19) $-1\frac{2}{3}x - \frac{4}{5} + 1\frac{3}{4} = -3\frac{7}{12} + \frac{3}{5}x$ $\{2\}$

20) $b + \frac{2}{3} - \frac{3}{5}b + \frac{13}{30} = -\frac{1}{5}b + 5b$ $\left\{\frac{1}{4}\right\}$

21) $-1\frac{1}{4}v - \frac{31}{6} = \frac{5}{3}v - \frac{1}{2}$ $\left\{-1\frac{3}{5}\right\}$

22) $-\frac{3}{2}x - 1\frac{1}{4} = -2\frac{2}{5}x + 1\frac{9}{10}$ $\left\{3\frac{1}{2}\right\}$

23) $1\frac{1}{3}x + 2\frac{1}{2}x - 5\frac{5}{6} = -3\frac{2}{3}x + \frac{5}{6} + 2\frac{1}{3}$ $\left\{1\frac{1}{5}\right\}$

24) $a - 1\frac{1}{6} - 2\frac{5}{6} = -3\frac{5}{6} + \frac{2}{3}a$ $\left\{\frac{1}{2}\right\}$

25) $\frac{116}{15} - 3\frac{2}{5}p = p + 4\frac{4}{5}$ $\left\{\frac{2}{3}\right\}$

26) $\frac{7}{2}k + 1\frac{5}{6} = -7\frac{23}{30} - \frac{23}{6}k - \frac{2}{3}k$ $\left\{-1\frac{1}{5}\right\}$

27) $x + \frac{1}{4}x = -\frac{403}{60} + 3\frac{5}{6}x$ $\left\{2\frac{3}{5}\right\}$

28) $1\frac{3}{4}m + \frac{2}{3} = \frac{31}{24} + \frac{1}{2}m$ $\left\{\frac{1}{2}\right\}$

29) $4\frac{3}{5}n - \frac{2}{3} = -6\frac{17}{20} + 2\frac{5}{6}n$ $\left\{-3\frac{1}{2}\right\}$

30) $x + \frac{1}{4} = 12\frac{7}{18} - 3\frac{3}{4}x + 2\frac{5}{6}x$ $\left\{6\frac{1}{3}\right\}$

31) $-\frac{3}{5}r + \frac{3}{5} - 3\frac{3}{4} = -2r - \frac{35}{12}$ $\left\{\frac{1}{6}\right\}$

32) $-\frac{1}{12} + \frac{3}{2}n = n + 1\frac{3}{4}$ $\left\{3\frac{2}{3}\right\}$

33) $-3b - 1\frac{1}{2} = -12\frac{1}{3} + 1\frac{1}{3}b$ $\left\{2\frac{1}{2}\right\}$

34) $-4 + 3\frac{1}{3}x = 1\frac{1}{3}x + 4x$ $\{-2\}$

35) $3\frac{1}{5}v - 1\frac{4}{5} = \frac{14}{5}v + \frac{1}{5} + \frac{2}{3}$ $\left\{6\frac{2}{3}\right\}$

36) $1\frac{1}{5} + \frac{4}{5}n = 1\frac{2}{5}n + \frac{2}{5}$ $\left\{1\frac{1}{3}\right\}$

37) $6\frac{13}{30} - \frac{3}{4}k = -3\frac{5}{6}k - 2\frac{1}{5}$ $\left\{-2\frac{4}{5}\right\}$

38) $11\frac{31}{48} + \frac{4}{3}a = \frac{2}{3}a + \frac{17}{4}a$ $\left\{3\frac{1}{4}\right\}$

39) $-x+\frac{5}{3}=\frac{14}{15}-1\frac{2}{5}x$ $\left\{-1\frac{5}{6}\right\}$

40) $-\frac{17}{18}+3\frac{2}{3}x-\frac{19}{6}+1\frac{1}{2}=-\frac{2}{3}x+1$ $\left\{\frac{5}{6}\right\}$

41) $-2\frac{11}{18}+1\frac{1}{3}n=\frac{2}{5}n+\frac{1}{2}$ $\left\{3\frac{1}{3}\right\}$

42) $1\frac{1}{2}m-2\frac{3}{4}m=-\frac{19}{24}+\frac{1}{3}m$ $\left\{\frac{1}{2}\right\}$

43) $10\frac{53}{80}-3\frac{1}{4}p=\frac{5}{2}p+\frac{3}{5}$ $\left\{1\frac{3}{4}\right\}$

44) $-\frac{1}{180}-\frac{1}{4}x=-\frac{2}{3}x+1\frac{4}{5}$ $\left\{4\frac{1}{3}\right\}$

45) $-\frac{9}{2}-1\frac{1}{6}n=n+\frac{1}{2}+\frac{17}{6}n$ $\{-1\}$

46) $3+3\frac{1}{3}m=6m-\frac{11}{3}$ $\left\{2\frac{1}{2}\right\}$

47) $1\frac{11}{30}-1\frac{1}{3}r+1\frac{1}{2}r=1\frac{1}{2}r+1\frac{2}{5}r$ $\left\{\frac{1}{2}\right\}$

48) $6\frac{1}{2}+1\frac{1}{6}x=1\frac{5}{6}x+3\frac{1}{6}$ $\{5\}$

49) $3v+1\frac{1}{4}=1\frac{33}{100}+3\frac{1}{5}v$ $\left\{-\frac{2}{5}\right\}$

50) $1\frac{17}{20}-\frac{1}{2}x=x-1\frac{3}{4}+3\frac{3}{5}$ $\{0\}$

51) $-7\frac{1}{3}+\frac{1}{3}b=-\frac{18}{5}b-2+\frac{9}{5}b$ $\left\{2\frac{1}{2}\right\}$

52) $\frac{5}{6}n+3n=-\frac{20}{3}+1\frac{1}{3}n$ $\left\{-2\frac{2}{3}\right\}$

53) $\frac{1}{3}a-1=1\frac{5}{6}a+\frac{1}{2}a$ $\left\{-\frac{1}{2}\right\}$

54) $2x-3\frac{2}{3}=1\frac{1}{3}x-4\frac{3}{5}$ $\left\{-1\frac{2}{5}\right\}$

55) $2k-\frac{17}{5}=\frac{8}{5}k-3\frac{2}{3}$ $\left\{-\frac{2}{3}\right\}$

56) $-\frac{5}{6}p+\frac{7}{6}=1+2p+1\frac{1}{2}-\frac{3}{2}p$ $\{-1\}$

57) $\frac{9}{2}-1\frac{2}{3}x=-3\frac{1}{2}x-1\frac{1}{6}x$ $\left\{-1\frac{1}{2}\right\}$

58) $\frac{18}{25}-\frac{1}{5}m=-1\frac{2}{5}m+\frac{3}{4}m$ $\left\{-1\frac{3}{5}\right\}$

59) $-\frac{4}{3}n-6=\frac{19}{6}n-3\frac{3}{4}$ $\left\{-\frac{1}{2}\right\}$

60) $3\frac{1}{3}r+\frac{64}{9}=1\frac{1}{2}r+1$ $\left\{-3\frac{1}{3}\right\}$

61) $x+1\frac{3}{4}+2\frac{1}{4}x=4\frac{7}{12}+x+1\frac{1}{6}+2$ $\left\{2\frac{2}{3}\right\}$

62) $9\frac{29}{36}+3\frac{4}{5}b+b=-\frac{1}{3}b+\frac{5}{4}$ $\left\{-1\frac{2}{3}\right\}$

63) $-1\frac{1}{5}n+1-\frac{3}{4}=1\frac{1}{5}n+\frac{21}{20}$ $\left\{-\frac{1}{3}\right\}$

64) $-\frac{11}{6}v-2\frac{2}{3}v=-12\frac{17}{30}+\frac{1}{3}v$ $\left\{2\frac{3}{5}\right\}$

65) $4x-2\frac{1}{2}=-11\frac{1}{4}-x$ $\left\{-1\frac{3}{4}\right\}$

66) $-3\frac{1}{4}n-8\frac{31}{48}=2\frac{5}{6}n+2$ $\left\{-1\frac{3}{4}\right\}$

67) $\frac{5}{6}x-\frac{5}{6}x=5\frac{3}{4}-1\frac{1}{2}x$ $\left\{3\frac{5}{6}\right\}$

68) $3\frac{4}{5}a+\frac{1}{4}=2\frac{7}{10}-\frac{1}{3}a+2\frac{1}{2}a$ $\left\{1\frac{1}{2}\right\}$

69) $-x+\frac{1}{2}=1\frac{1}{4}-4x$ $\left\{\frac{1}{4}\right\}$

70) $\frac{5}{6}k-\frac{13}{4}=-4\frac{7}{12}+2\frac{1}{3}k+1\frac{5}{6}k$ $\left\{\frac{2}{5}\right\}$

71) $\frac{1}{2}m+1=5-1\frac{1}{2}m$ $\{2\}$

72) $-4\frac{37}{60}+1\frac{2}{3}n-\frac{1}{3}n=-1\frac{1}{2}n-3\frac{1}{5}$ $\left\{\frac{1}{2}\right\}$

73) $\frac{3}{5}p+1\frac{1}{4}=\frac{79}{20}-1\frac{1}{5}p$ $\left\{1\frac{1}{2}\right\}$

74) $\frac{5}{3}+\frac{11}{6}x+\frac{1}{2}x=2\frac{1}{3}x+1+1\frac{1}{3}x$ $\left\{\frac{1}{2}\right\}$

75) $-1\frac{1}{2}b+2\frac{1}{5}b=1\frac{1}{50}-b$ $\left\{\frac{3}{5}\right\}$

76) $\frac{9}{4}n-1\frac{3}{5}=\frac{7}{2}n+1+2n+1\frac{23}{120}$ $\left\{-1\frac{1}{6}\right\}$

77) $r+3\frac{5}{6}+2r=7\frac{11}{12}-5\frac{1}{6}r$ $\left\{\frac{1}{2}\right\}$

78) $\frac{11}{4}x-2\frac{1}{2}=7\frac{1}{2}-x$ $\left\{2\frac{2}{3}\right\}$

79) $\frac{1}{2}n-\frac{1}{2}=-5\frac{1}{2}-\frac{1}{2}n$ $\{-5\}$

80) $\frac{1}{4}v-2v=1\frac{1}{2}v-\frac{247}{20}$ $\left\{3\frac{4}{5}\right\}$

81) $b+\frac{9}{5}=1\frac{1}{2}b+2\frac{1}{20}$ $\left\{-\frac{1}{2}\right\}$

82) $x+\frac{4}{3}=-\frac{445}{36}-1\frac{5}{6}x$ $\left\{-4\frac{5}{6}\right\}$

83) $-4\frac{11}{60}-a=a-1\frac{1}{4}-3\frac{1}{3}$ $\left\{\frac{1}{5}\right\}$

84) $-\frac{79}{36}-\frac{5}{6}x=-\frac{7}{5}x-\frac{2}{5}$ $\left\{3\frac{1}{6}\right\}$

85) $\frac{5}{6}k+\frac{1}{3}=-3\frac{5}{6}-\frac{5}{4}k$ $\{-2\}$

86) $\frac{13}{36}-\frac{1}{3}p+1\frac{1}{5}p=-1\frac{4}{5}p+\frac{1}{2}p$ $\left\{-\frac{1}{6}\right\}$

87) $-1\frac{1}{4}x-4=\frac{3}{2}+1\frac{1}{2}x$ $\{-2\}$

88) $2\frac{1}{6}m+\frac{47}{15}=3\frac{1}{2}m-3\frac{2}{3}+3\frac{4}{5}$ $\left\{2\frac{1}{4}\right\}$

89) $-\frac{5}{12}+x=1\frac{3}{4}x-x$ $\left\{1\frac{2}{3}\right\}$

90) $2\frac{1}{2}n-\frac{4}{5}+2=-5\frac{62}{75}-2\frac{3}{5}n+1+1\frac{1}{3}n$ $\left\{-1\frac{3}{5}\right\}$

91) $r+3\frac{2}{3}=\frac{326}{75}+\frac{4}{5}r$ $\left\{3\frac{2}{5}\right\}$

92) $-\frac{17}{6}n+5=\frac{61}{18}+2n$ $\left\{\frac{1}{3}\right\}$

93) $\frac{521}{60}+\frac{1}{5}b=3\frac{1}{2}b+2+2\frac{5}{6}$ $\left\{1\frac{1}{6}\right\}$

94) $-1\frac{1}{6}v+2\frac{2}{3}=-\frac{11}{4}v+1\frac{1}{2}v+2\frac{3}{5}$ $\left\{-\frac{4}{5}\right\}$

95) $\frac{5}{4}n+n=2\frac{11}{18}-1\frac{2}{3}n$ $\left\{\frac{2}{3}\right\}$

96) $-\frac{8}{3}x+1\frac{5}{6}+\frac{3}{4}=\frac{7}{60}-\frac{1}{5}x$ $\{1\}$

97) $-2a+3\frac{3}{5}=2\frac{2}{5}a+2\frac{1}{2}$ $\left\{\frac{1}{4}\right\}$

98) $-1\frac{1}{5}k+4+\frac{7}{2}k-9\frac{83}{150}=\frac{1}{3}k+3\frac{3}{5}k$ $\left\{-3\frac{2}{5}\right\}$

99) $\frac{7}{5}x-1=-6x+1\frac{7}{15}$ $\left\{\frac{1}{3}\right\}$

100) $-6-\frac{7}{2}x+\frac{3}{2}x=\frac{1}{6}x+1\frac{2}{3}-6x$ $\{2\}$

101) $2\frac{39}{140}-1\frac{5}{6}m=\frac{5}{4}m+\frac{18}{5}$ $\left\{-\frac{3}{7}\right\}$

102) $2\frac{1}{3}n+\frac{53}{60}=1\frac{1}{5}n-\frac{1}{4}$ $\{-1\}$

103) $\frac{1}{6}x+\frac{5}{2}=\frac{1}{2}x+\frac{11}{6}$ $\{2\}$

104) $-\frac{7}{24}-2\frac{5}{6}p=\frac{1}{6}p+1+2\frac{5}{6}$ $\left\{-1\frac{3}{8}\right\}$

105) $2\frac{1}{6}n+4\frac{5}{8}-\frac{22}{7}n-14\frac{109}{392}=-\frac{23}{6}n+\frac{1}{7}$ $\left\{3\frac{3}{7}\right\}$

106) $-\frac{47}{25}+2r=\frac{22}{5}r+1$ $\left\{-1\frac{1}{5}\right\}$

107) $\frac{683}{200}+\frac{3}{2}x-\frac{7}{2}+2x=\frac{23}{8}x+\frac{3}{5}x$ $\left\{3\frac{2}{5}\right\}$

108) $1\frac{1}{3}n-3\frac{5}{7}=-4\frac{209}{224}+\frac{1}{4}n$ $\left\{-1\frac{1}{8}\right\}$

109) $-1\frac{1}{2}b+\frac{1}{2}=-\frac{10}{3}+\frac{25}{6}b+2b$ $\left\{\frac{1}{2}\right\}$

110) $-1\frac{1}{6}b-\frac{3}{2}-\frac{1}{2}b=-1\frac{41}{84}-\frac{12}{7}b$ $\left\{\frac{1}{4}\right\}$

111) $8\frac{529}{720}-\frac{7}{6}v+\frac{4}{5}-4\frac{1}{3}=\frac{11}{8}v-2$ $\left\{2\frac{5}{6}\right\}$

112) $2x-3\frac{1}{6}=-2\frac{5}{6}+1\frac{2}{3}x$ $\{1\}$

113) $1\frac{4}{5}x-2\frac{1}{2}=-\frac{1}{4}x-4\frac{59}{70}$ $\left\{-1\frac{1}{7}\right\}$

114) $k-\frac{1}{4}-3\frac{1}{2}=-4\frac{3}{7}+1\frac{1}{4}k$ $\left\{2\frac{5}{7}\right\}$

115) $-16\frac{347}{392}-1\frac{3}{7}p=4p-1\frac{3}{8}$ $\left\{-2\frac{6}{7}\right\}$

116) $\frac{6}{7}a+3\frac{3}{4}=4\frac{151}{224}-\frac{3}{8}a$ $\left\{\frac{3}{4}\right\}$

117) $\frac{799}{56}+2x=4\frac{4}{7}x+4\frac{5}{8}$ $\left\{3\frac{3}{4}\right\}$

118) $-\frac{39}{7}-\frac{2}{3}n=-2\frac{3}{4}n-\frac{9}{4}n$ $\left\{1\frac{2}{7}\right\}$

119) $-3\frac{63}{160}+2\frac{3}{5}r=\frac{1}{3}r-\frac{3}{4}r$ $\left\{1\frac{1}{8}\right\}$

120) $-3\frac{3}{4}m-4=4\frac{9}{28}+m-2\frac{1}{4}-2$ $\left\{-\frac{6}{7}\right\}$

121) $-\frac{5}{7}+2b=\frac{1}{2}b-b$ $\left\{\frac{2}{7}\right\}$

122) $-13\frac{131}{168}+4\frac{3}{7}x=-1\frac{3}{4}x+\frac{5}{3}$ $\left\{2\frac{1}{2}\right\}$

123) $\frac{1943}{126}+\frac{6}{7}v=\frac{29}{6}v+2\frac{1}{6}$ $\left\{3\frac{1}{3}\right\}$

124) $1\frac{1}{2}n+5\frac{51}{56}=-2\frac{2}{5}n+\frac{9}{7}+\frac{1}{5}n$ $\left\{-1\frac{1}{4}\right\}$

125) $\frac{1}{2}n+1=-\frac{1}{7}n-\frac{19}{98}$ $\left\{-1\frac{6}{7}\right\}$

126) $-4\frac{29}{96}+\frac{15}{8}x=\frac{13}{6}x-2\frac{2}{3}-2$ $\left\{1\frac{1}{4}\right\}$

127) $1\frac{5}{6}k-2k+4\frac{2}{3}=-\frac{3}{2}k+2$ $\{-2\}$

128) $\frac{857}{672}-\frac{2}{3}a+1\frac{1}{2}a=\frac{6}{7}a+1-1\frac{1}{8}a$ $\left\{-\frac{1}{4}\right\}$

129) $-2\frac{11}{21}+\frac{1}{2}x=1\frac{4}{7}x-2\frac{1}{6}$ $\left\{-\frac{1}{3}\right\}$

130) $-\frac{3}{2}x-\frac{1}{2}x=-3\frac{1}{3}x-2\frac{1}{3}$ $\left\{-1\frac{3}{4}\right\}$

131) $-\frac{7}{40}-3\frac{1}{4}x=-\frac{7}{5}x-1\frac{1}{2}x$ $\left\{-\frac{1}{2}\right\}$

132) $-\frac{5}{3}p+1=-\frac{671}{448}-\frac{3}{7}p+1-\frac{7}{8}p$ $\left\{4\frac{1}{8}\right\}$

133) $2\frac{2}{3}n-\frac{116}{15}=\frac{4}{5}n+\frac{2}{3}$ $\left\{4\frac{1}{2}\right\}$

134) $4\frac{2}{7}m+3\frac{5}{7}-\frac{1}{5}=-\frac{941}{1260}-1\frac{1}{6}m+1\frac{4}{5}m$ $\left\{-1\frac{1}{6}\right\}$

135) $\frac{21}{8}b+\frac{19}{6}=4\frac{5}{192}+2\frac{1}{6}b$ $\left\{1\frac{7}{8}\right\}$

136) $\frac{55}{63}-1\frac{5}{7}x=1\frac{2}{3}x+2$ $\left\{-\frac{1}{3}\right\}$

137) $\frac{2}{5}n+\frac{39}{8}n=3\frac{39}{80}+4\frac{1}{2}n$ $\left\{4\frac{1}{2}\right\}$

138) $-\frac{131}{8}+\frac{1}{3}r=\frac{3}{4}r+1\frac{1}{2}-3\frac{1}{6}r$ $\left\{6\frac{1}{2}\right\}$

139) $-1\frac{2}{5}a+\frac{1531}{150}=\frac{29}{8}a+\frac{13}{6}$ $\left\{1\frac{3}{5}\right\}$

140) $4\frac{1}{4}x-\frac{11}{32}=x+\frac{7}{2}x$ $\left\{-1\frac{3}{8}\right\}$

141) $2n+\frac{7}{5}=\frac{1}{6}+1\frac{2}{5}n+\frac{5}{6}-\frac{2}{5}$ $\left\{-1\frac{1}{3}\right\}$

142) $3\frac{1}{3}+2\frac{5}{6}v=v+\frac{3}{2}$ $\{-1\}$

143) $-4+\frac{1}{4}x-1\frac{1}{2}x=-4x-1\frac{4}{5}$ $\left\{\frac{4}{5}\right\}$

144) $-2\frac{1}{2}a+\frac{3}{4}=-11\frac{193}{280}+a+\frac{5}{7}+6\frac{1}{8}$ $\left\{1\frac{3}{5}\right\}$

145) $4\frac{7}{8}p-1\frac{3}{7}=\frac{2641}{224}+p-\frac{3}{2}-1\frac{1}{3}p$ $\left\{2\frac{1}{4}\right\}$

146) $-\frac{7}{4}k-6\frac{45}{56}=-3\frac{1}{6}k-\frac{3}{7}$ $\left\{4\frac{1}{2}\right\}$

147) $-1\frac{3}{4}x+\frac{17}{21}=-1\frac{1}{6}x-\frac{6}{7}+1\frac{1}{2}$ $\left\{\frac{2}{7}\right\}$

148) $-1\frac{2}{5}n+1=-5\frac{1}{3}+\frac{1}{2}n$ $\left\{3\frac{1}{3}\right\}$

149) $4\frac{5}{6}r+\frac{39}{8}+3\frac{5}{7}-2\frac{127}{168}=\frac{2}{3}r+\frac{5}{4}r$ $\{-2\}$

150) $\frac{2}{3}m+3\frac{2}{3}+\frac{4}{5}m=8\frac{59}{120}-1\frac{3}{4}m$ $\left\{1\frac{1}{2}\right\}$

151) $3\frac{1}{2}x-\frac{4}{7}=7\frac{25}{42}-2\frac{5}{8}x$ $\left\{1\frac{1}{3}\right\}$

152) $2\frac{2}{3}n-\frac{1003}{84}=-\frac{4}{7}n+\frac{17}{4}$ $\{5\}$

153) $1\frac{4}{5}x+\frac{79}{15}=\frac{7}{5}x+4\frac{1}{3}$ $\left\{-2\frac{1}{3}\right\}$

154) $-2\frac{3}{4}b+\frac{4}{3}b+3\frac{1}{84}=-1\frac{1}{7}b+3\frac{2}{7}$ $\{-1\}$

155) $-2\frac{2}{3}n+\frac{2}{5}n=11\frac{2}{3}+n$ $\left\{-3\frac{4}{7}\right\}$

156) $-5v+4\frac{1}{5}+\frac{3}{4}v=-4\frac{7}{15}+\frac{3}{4}v-1\frac{2}{3}v$ $\left\{2\frac{3}{5}\right\}$

157) $\frac{845}{56}-3\frac{1}{6}a=-2\frac{2}{3}a+\frac{29}{7}a$ $\left\{3\frac{1}{4}\right\}$

158) $x+1\frac{1}{5}-2\frac{1}{8}=-\frac{181}{40}+4\frac{3}{5}x$ $\{1\}$

159) $-2k+1\frac{1}{8}=k+\frac{5}{3}+4\frac{4}{7}k-\frac{13}{24}$ $\{0\}$

160) $1\frac{2}{7}x-3\frac{104}{245}=\frac{8}{5}x-3\frac{1}{5}$ $\left\{-\frac{5}{7}\right\}$

161) $4\frac{7}{8}n+3n=1\frac{41}{64}+n+\frac{5}{2}n$ $\left\{\frac{3}{8}\right\}$

162) $1\frac{31}{56}+1\frac{1}{3}m=1\frac{2}{3}m+1\frac{3}{7}$ $\left\{\frac{3}{8}\right\}$

163) $-\frac{103}{72}+3\frac{2}{3}p+1+3\frac{1}{2}=p-1\frac{3}{8}$ $\left\{-1\frac{2}{3}\right\}$

164) $\frac{8}{5}x+4\frac{1}{2}-1\frac{1}{3}=\frac{27}{10}+2x$ $\left\{1\frac{1}{6}\right\}$

165) $-n+1\frac{6}{7}=\frac{83}{28}+1\frac{4}{7}n-1\frac{5}{6}n$ $\left\{-1\frac{1}{2}\right\}$

166) $-1\frac{1}{3}x+4\frac{1}{2}x=-1\frac{5}{12}-2\frac{1}{2}x$ $\left\{-\frac{1}{4}\right\}$

167) $-2\frac{3}{8}+1\frac{1}{8}b=b+\frac{1}{2}-\frac{1}{2}b$ $\left\{4\frac{3}{5}\right\}$

168) $2r+1\frac{1}{8}+2\frac{1}{3}r-3\frac{49}{120}=\frac{11}{4}r+\frac{1}{4}$ $\left\{1\frac{3}{5}\right\}$

169) $1\frac{1}{2}v-1+4\frac{6}{7}=3\frac{181}{252}+2\frac{1}{3}v$ $\left\{\frac{1}{6}\right\}$

170) $-7\frac{31}{70}+\frac{2}{7}n-2+4\frac{4}{5}=n-\frac{18}{7}-3\frac{1}{2}$ $\{2\}$

171) $\frac{6}{5}x-3\frac{2}{3}x+6\frac{64}{105}=x-2\frac{4}{5}$ $\left\{2\frac{5}{7}\right\}$

172) $\frac{389}{105}+\frac{11}{4}a-\frac{4}{5}-\frac{1}{4}a=3\frac{1}{6}a+\frac{11}{7}$ $\{2\}$

173) $-\frac{13}{7}n+1\frac{1}{2}=-5\frac{5}{12}-3\frac{5}{6}n$ $\left\{-3\frac{1}{2}\right\}$

174) $-\frac{17}{3}+\frac{5}{6}k=-1\frac{1}{2}k-1$ $\{2\}$

175) $1\frac{1}{2}x+1+1\frac{5}{6}+11\frac{77}{480}=\frac{19}{4}x+\frac{7}{5}$ $\left\{3\frac{7}{8}\right\}$

176) $-\frac{2}{5}p+1+1\frac{1}{2}=-\frac{1}{15}+\frac{2}{3}p-2p$ $\left\{-2\frac{3}{4}\right\}$

177) $-1\frac{11}{40}+\frac{1}{2}n=n-\frac{2}{5}$ $\left\{-1\frac{3}{4}\right\}$

178) $\frac{332}{21}+x=\frac{25}{7}x+4\frac{2}{3}$ $\left\{4\frac{1}{3}\right\}$

179) $-\frac{1}{3}r+1=-\frac{13}{15}+2r$ $\left\{\frac{4}{5}\right\}$

180) $1\frac{3}{5}n+\frac{947}{105}=-\frac{4}{3}n+3\frac{4}{7}$ $\left\{-1\frac{6}{7}\right\}$

181) $-\frac{3}{5}m-\frac{3}{7}+3\frac{5}{6}m+1\frac{1873}{2100}=m+3\frac{1}{4}$ $\left\{\frac{4}{5}\right\}$

182) $-2\frac{5}{6}b+\frac{460}{63}=-1\frac{3}{7}b+\frac{1}{2}b$ $\left\{3\frac{5}{6}\right\}$

183) $\frac{237}{200}+1\frac{1}{4}x=1\frac{1}{2}x+\frac{33}{8}+\frac{4}{5}x$ $\left\{-2\frac{4}{5}\right\}$

184) $\frac{1}{6}v+\frac{1}{2}v=1\frac{7}{16}+1\frac{1}{6}v$ $\left\{-2\frac{7}{8}\right\}$

185) $-\frac{1}{7}n-\frac{14}{3}=\frac{2}{3}n+1$ $\{-7\}$

186) $-3\frac{1}{2}x+\frac{4}{3}=x+1\frac{3}{8}x+\frac{221}{60}$ $\left\{-\frac{2}{5}\right\}$

187) $1\frac{29}{48}+\frac{19}{4}a-3\frac{3}{4}-1\frac{2}{3}a=a+\frac{3}{2}$ $\left\{1\frac{3}{4}\right\}$

188) $\frac{29}{6}p-\frac{3}{2}=\frac{1}{2}p-6\frac{7}{10}$ $\left\{-1\frac{1}{5}\right\}$

189) $1\frac{1}{5}x+1=-\frac{19}{7}+2\frac{1}{2}x$ $\left\{2\frac{6}{7}\right\}$

190) $-8\frac{1}{2}-1\frac{1}{3}m=-8m-\frac{7}{2}$ $\left\{\frac{3}{4}\right\}$

191) $-1\frac{7}{8}n-\frac{3}{7}-\frac{1}{2}=-\frac{55}{112}-1\frac{3}{4}n$ $\left\{-3\frac{1}{2}\right\}$

192) $-\frac{1}{2}p+1-5=-6\frac{29}{32}+\frac{1}{4}p$ $\left\{3\frac{7}{8}\right\}$

193) $x-1\frac{3}{7}=-16\frac{185}{252}-3\frac{5}{6}x$ $\left\{-3\frac{1}{6}\right\}$

194) $\frac{5}{8}n-\frac{1}{2}n=-5\frac{17}{56}+n+\frac{17}{7}+3\frac{3}{4}$ $\{-1\}$

195) $\frac{11}{5}b+2\frac{2}{5}+4\frac{2}{3}=-5\frac{3}{4}b+\frac{901}{60}$ $\{1\}$

196) $3\frac{5}{8}n-2\frac{7}{8}=\frac{10}{7}n-7\frac{15}{56}$ $\{-2\}$

197) $2\frac{73}{84}+1\frac{1}{4}x=3\frac{1}{2}x+1\frac{2}{7}-\frac{2}{3}x$ $\{1\}$

198) $-\frac{1}{5}r+\frac{1}{4}=-\frac{131}{21}+\frac{1}{2}r+\frac{11}{7}+3\frac{3}{4}$ $\left\{1\frac{2}{3}\right\}$

199) $4\frac{3}{4}k+\frac{3459}{224}=\frac{14}{3}k+4\frac{2}{7}+4\frac{1}{3}k$ $\left\{2\frac{5}{8}\right\}$

200) $-\frac{1}{2}a+10\frac{41}{70}=\frac{32}{7}a+\frac{15}{4}a$ $\left\{1\frac{1}{5}\right\}$

201) $\frac{1}{2}\left(v-\frac{5}{2}\right)=1\frac{5}{6}v-6\frac{1}{12}$ $\left\{3\frac{5}{8}\right\}$

202) $\frac{119}{150}+1\frac{2}{5}x=-\frac{14}{3}\left(\frac{3}{5}x+1\right)$ $\left\{-1\frac{3}{10}\right\}$

203) $-3\frac{8}{9}\left(\frac{53}{9}x+1\right)-2=\frac{6971}{405}+\frac{1}{5}x$ $\{-1\}$

204) $1\frac{2}{3}\left(-\frac{27}{7}k+1\right)=-\frac{12}{7}k-38\frac{17}{42}$ $\left\{8\frac{1}{2}\right\}$

205) $-3\frac{5}{6}\left(-\frac{1}{2}n-1\frac{1}{3}\right)=6\frac{3}{8}-\frac{15}{8}n$ $\left\{\frac{1}{3}\right\}$

206) $-3\frac{1}{7}\left(3\frac{2}{5}p+\frac{5}{4}\right)=3\frac{1}{9}p-3\frac{13}{14}$ $\{0\}$

207) $-21\frac{237}{320}+\frac{13}{8}n=-n-\frac{3}{5}\left(\frac{17}{9}n+1\right)$ $\left\{5\frac{5}{8}\right\}$

208) $-\frac{53}{90}+\frac{2}{3}m=\frac{3}{5}\left(m-1\frac{1}{6}\right)$ $\left\{-1\frac{2}{3}\right\}$

209) $4x-\frac{23}{10}=-\left(1\frac{7}{10}x-\frac{91}{10}\right)$ $\{2\}$

210) $1\frac{7}{10}-1\frac{2}{3}\left(r+1\frac{2}{3}\right)=-10\frac{139}{630}+2\frac{1}{3}r$ $\left\{2\frac{2}{7}\right\}$

211) $-\frac{15}{8}\left(-\frac{31}{8}n+\frac{1}{2}\right)=-20\frac{31}{32}-2\frac{3}{4}n$ $\{-2\}$

212) $-\frac{1}{10}b+\frac{226}{45}=2\left(-\frac{5}{9}b+1\frac{1}{2}\right)$ $\{-2\}$

213) $-\frac{1}{2}v-\frac{19}{30}=-\frac{1}{8}\left(\frac{4}{3}v+8\right)$ $\left\{1\frac{1}{10}\right\}$

214) $-7\frac{17}{20}-\frac{1}{5}n=-2\left(n+2\frac{1}{8}\right)$ $\{2\}$

215) $-1\frac{4}{5}x+10\frac{1177}{2100}=2\frac{1}{6}\left(1\frac{5}{7}x+5\frac{9}{10}\right)+5\frac{3}{5}x$ $\left\{-\frac{1}{5}\right\}$

216) $-1\frac{2}{3}\left(a+1\frac{1}{5}\right)+1\frac{1}{2}=\frac{7}{9}a-2\frac{17}{18}$ $\{1\}$

217) $7\frac{1}{2}+3\frac{1}{6}k=-\frac{11}{4}\left(1\frac{1}{3}k+1\right)$ $\left\{-1\frac{1}{2}\right\}$

218) $-3\frac{3}{10}x-32\frac{63}{80}=-2\frac{1}{2}\left(-8x+\frac{1}{2}\right)+\frac{1}{2}$ $\left\{-1\frac{3}{8}\right\}$

219) $1\frac{38}{225}-1\frac{9}{10}p=-1\frac{1}{9}\left(\frac{3}{4}p+\frac{1}{10}\right)$ $\left\{1\frac{1}{5}\right\}$

220) $-x+30=7\left(\frac{3}{7}x+3\frac{1}{2}\right)$ $\left\{1\frac{3}{8}\right\}$

221) $2\frac{1}{2}\left(-7\frac{3}{4}n+\frac{2}{3}\right)=-\frac{541}{20}+4\frac{5}{9}n$ $\left\{1\frac{1}{5}\right\}$

222) $-\frac{3}{8}\left(p+1\frac{5}{9}\right)=-p-1\frac{65}{96}$ $\left\{-1\frac{3}{4}\right\}$

223) $-21\frac{132}{245}+3\frac{2}{5}x=-\frac{6}{7}\left(-1\frac{2}{7}x+1\right)$ $\{9\}$

224) $-14\frac{3067}{3150}+1\frac{1}{2}m=-\frac{3}{7}m+1\frac{3}{5}\left(-3\frac{1}{2}m-\frac{8}{9}\right)$ $\left\{1\frac{4}{5}\right\}$

225) $-1\frac{8}{9}-\frac{3}{2}b=2\left(\frac{1}{2}b+1\right)$ $\left\{-1\frac{5}{9}\right\}$

226) $1\frac{3}{8}n+21\frac{229}{320}=-\frac{14}{5}+2\frac{1}{4}\left(\frac{13}{4}n+1\right)$ $\left\{3\frac{3}{4}\right\}$

227) $35\frac{35}{54}-1\frac{1}{7}x=\frac{13}{3}\left(4\frac{1}{6}x-2\frac{1}{9}\right)$ $\left\{2\frac{1}{3}\right\}$

228) $\frac{19}{5}\left(\frac{5}{9}r-1\frac{3}{4}\right)+\frac{2}{5}=-4\frac{29}{36}+1\frac{4}{9}r$ $\left\{2\frac{1}{6}\right\}$

229) $2\left(v+1\frac{3}{8}\right)=4\frac{7}{20}+\frac{2}{5}v$ $\{1\}$

230) $\frac{949}{48}-2\frac{1}{4}n=-8\left(\frac{11}{3}n+1\frac{1}{2}\right)+1\frac{2}{3}n$ $\left\{-1\frac{1}{4}\right\}$

231) $1\frac{37}{252}-\frac{3}{8}a=2\frac{2}{9}\left(-\frac{1}{2}a+2\right)-2\frac{2}{3}$ $\left\{\frac{6}{7}\right\}$

232) $-3\frac{1}{7}\left(x+5\frac{3}{4}\right)=-\frac{439}{42}+\frac{2}{3}x$ $\{-2\}$

233) $-\frac{103}{36}-1\frac{1}{2}x=\frac{8}{9}-2\left(x+\frac{3}{5}\right)$ $\left\{5\frac{1}{10}\right\}$

234) $\frac{23}{9}+1\frac{1}{6}\left(\frac{1}{5}n-2\frac{3}{7}\right)=1\frac{1}{3}n-4\frac{31}{630}$ $\left\{3\frac{3}{7}\right\}$

235) $-3\frac{4}{9}\left(1\frac{8}{9}k+3\frac{5}{8}\right)=-3\frac{2}{3}k-\frac{3617}{216}$ $\left\{1\frac{1}{2}\right\}$

236) $2p-5\frac{16}{25}=2\frac{1}{10}\left(\frac{2}{5}p-\frac{1}{5}\right)$ $\left\{4\frac{1}{2}\right\}$

237) $4\frac{7}{9}n+\frac{287}{216}=\frac{5}{6}\left(4\frac{1}{10}n-\frac{7}{5}\right)$ $\left\{-1\frac{5}{6}\right\}$

238) $-\frac{11}{30}-\frac{1}{3}x=-\frac{17}{5}\left(-\frac{7}{10}x-2\frac{1}{3}\right)-\frac{1}{2}x$ $\left\{-3\frac{3}{4}\right\}$

239) $-\frac{1}{2}m-7\frac{20}{21}=-3\frac{1}{2}\left(m-\frac{10}{7}\right)+\frac{1}{3}m$ $\left\{4\frac{6}{7}\right\}$

240) $1\frac{1}{2}\left(\frac{9}{10}r+1\right)=\frac{357}{160}+1\frac{1}{5}r$ $\left\{4\frac{7}{8}\right\}$

241) $-1\frac{6}{7}-\frac{3}{2}\left(1\frac{1}{3}x+1\right)=\frac{7}{9}x-5\frac{37}{84}$ $\left\{\frac{3}{4}\right\}$

242) $-\frac{5}{7}\left(1\frac{1}{6}b+1\frac{6}{7}\right)=2\frac{7}{10}b-\frac{328}{2205}$ $\left\{-\frac{1}{3}\right\}$

243) $1\frac{2}{3}-\left(\frac{7}{9}n+2\frac{4}{7}\right)=\frac{5}{9}n-5\frac{10}{21}$ $\left\{3\frac{3}{7}\right\}$

244) $-\frac{31601}{6720}+2\frac{7}{8}v=-\frac{1}{7}\left(1\frac{1}{2}v+4\frac{5}{6}\right)+1\frac{2}{5}v$ $\left\{2\frac{3}{8}\right\}$

245) $-1\frac{3}{4}\left(\frac{7}{2}x+\frac{3}{7}\right)=18\frac{73}{240}+\frac{3}{5}x$ $\left\{-2\frac{5}{6}\right\}$

246) $-21\frac{163}{252}+1\frac{1}{8}n=-\frac{16}{7}\left(1\frac{3}{4}n+1\right)$ $\left\{3\frac{7}{9}\right\}$

247) $15\frac{1}{5}-3\frac{3}{10}a=-2\left(-\frac{1}{2}a+1\right)$ $\{4\}$

248) $\frac{3}{4}\left(k-3\frac{1}{4}\right)=5k-26\frac{25}{48}$ $\left\{5\frac{2}{3}\right\}$

249) $-\frac{1}{2}\left(p-\frac{1}{2}\right)-\frac{7}{8}p=-\frac{1}{9}-1\frac{1}{8}p$ $\left\{1\frac{4}{9}\right\}$

250) $4n+\frac{209}{45}=2\frac{5}{6}\left(\frac{9}{5}n+1\frac{5}{6}\right)$ $\left\{-\frac{1}{2}\right\}$

251) $\frac{1}{3}\left(\frac{3}{2}x-\frac{3}{10}\right)=9\frac{13}{20}-6x$ $\left\{1\frac{1}{2}\right\}$

252) $2\frac{5}{9}\left(-2m+\frac{13}{4}\right)=-19\frac{551}{900}+3\frac{1}{10}m$ $\left\{3\frac{2}{5}\right\}$

253) $4\frac{17}{350}-1\frac{1}{3}r=5\frac{1}{5}\left(-\frac{4}{5}r+\frac{24}{7}\right)$ $\left\{4\frac{7}{8}\right\}$

254) $-6\frac{6}{7}-3\frac{1}{3}n=-1\frac{3}{7}\left(n+\frac{2}{5}\right)$ $\left\{-3\frac{3}{10}\right\}$

255) $2\left(b+\frac{1}{2}\right)-3\frac{3}{4}=-2\frac{1}{2}b-\frac{1}{20}$ $\left\{\frac{3}{5}\right\}$

256) $-\frac{11}{4}x+2\frac{3}{10}\left(x+\frac{30}{7}\right)=-10\frac{17}{70}-10\frac{1}{2}x$ $\{-2\}$

257) $-2\frac{1}{5}x-6\frac{377}{945}=2\left(2\frac{1}{3}x+\frac{23}{7}\right)$ $\left\{-1\frac{8}{9}\right\}$

258) $-2\frac{37}{168}+5\frac{3}{4}r=2\frac{1}{6}r+\frac{18}{7}\left(-2\frac{1}{3}r+1\right)$ $\left\{\frac{1}{2}\right\}$

259) $-\frac{95}{144}-\frac{4}{9}a=-\frac{1}{4}\left(a-1\frac{1}{4}\right)$ $\{-5\}$

260) $1\frac{1}{3}\left(1\frac{1}{5}n+\frac{59}{10}\right)=-1\frac{1}{6}n+11\frac{13}{40}$ $\left\{1\frac{1}{4}\right\}$

261) $-1\frac{3}{10}-2\frac{1}{9}\left(v+4\frac{7}{9}\right)=-11\frac{313}{810}+1\frac{5}{6}v$ $\{0\}$

262) $7\frac{1}{10}-\frac{6}{5}x=-\frac{1}{2}\left(\frac{3}{5}x+1\right)$ $\left\{8\frac{4}{9}\right\}$

263) $2\frac{5}{7}\left(-\frac{3}{7}x+1\right)=-5\frac{122}{147}+1\frac{2}{5}x$ $\left\{3\frac{1}{3}\right\}$

264) $3\frac{23}{24}+2n=-\left(n+\frac{5}{3}\right)+1\frac{7}{8}$ $\left\{-1\frac{1}{4}\right\}$

265) $-1\frac{33}{35}+k=-2\frac{5}{7}\left(-k+\frac{2}{5}\right)$ $\left\{-\frac{1}{2}\right\}$

266) $\frac{2}{5}\left(-2x+1\frac{1}{4}\right)=1\frac{1}{2}x-\frac{737}{90}$ $\left\{3\frac{7}{9}\right\}$

267) $-1\frac{1}{4}+\frac{4}{5}\left(2p+\frac{16}{3}\right)=-\frac{5}{6}-\frac{1}{2}p$ $\left\{-1\frac{5}{6}\right\}$

268) $-\frac{2}{9}+\frac{7}{4}\left(-\frac{1}{2}n+\frac{9}{2}\right)=-6n+\frac{1471}{144}$ $\left\{\frac{1}{2}\right\}$

269) $-1\frac{1}{9}\left(m+\frac{5}{4}\right)+\frac{3}{10}=\frac{7}{15}+2m$ $\left\{-\frac{1}{2}\right\}$

270) $5\frac{5}{7}\left(r+5\frac{1}{6}\right)=37\frac{11}{12}-r$ $\left\{1\frac{1}{4}\right\}$

271) $9\frac{29}{60}-2x=\frac{5}{3}\left(x+\frac{7}{4}\right)+\frac{29}{10}$ $\{1\}$

272) $-1\frac{3037}{3150}+2\frac{1}{6}n=1\frac{3}{5}\left(1\frac{1}{10}n-1\frac{1}{7}\right)$ $\left\{\frac{1}{3}\right\}$

273) $-v-24\frac{25}{48}=2\left(-2\frac{5}{8}v-\frac{13}{6}\right)$ $\left\{4\frac{3}{4}\right\}$

274) $-\frac{29}{30}-1\frac{2}{5}b=-\frac{1}{3}b+\frac{7}{10}\left(\frac{1}{2}b+1\frac{1}{4}\right)$ $\left\{-1\frac{3}{10}\right\}$

275) $\frac{13}{3}+x=-1\frac{1}{3}\left(3\frac{1}{4}x+\frac{3}{4}\right)$ $\{-1\}$

276) $-\frac{11}{14}+1\frac{1}{2}a=\frac{1}{2}\left(a-\frac{4}{7}\right)$ $\left\{\frac{1}{2}\right\}$

277) $\frac{10}{3}\left(n+1\frac{1}{3}\right)-n=15\frac{19}{36}-1\frac{1}{6}n$ $\left\{3\frac{1}{6}\right\}$

278) $\frac{1}{4}\left(-\frac{2}{5}p+1\right)=\frac{3}{8}p-\frac{17}{8}$ $\{5\}$

279) $-\frac{1}{10}\left(\frac{2}{5}k+1\right)=\frac{3}{5}k-3\frac{29}{150}$ $\left\{4\frac{5}{6}\right\}$

280) $-\frac{81}{1372}-1\frac{5}{8}n=-\frac{3}{7}\left(-\frac{15}{7}n+1\frac{5}{6}\right)$ $\left\{\frac{2}{7}\right\}$

281) $5\frac{3}{8}\left(2\frac{7}{9}x-1\frac{1}{2}\right)+5\frac{2}{3}=-\frac{12041}{240}-3\frac{4}{9}x$ $\left\{-2\frac{3}{5}\right\}$

282) $\frac{2281}{3360}+1\frac{1}{8}m=1\frac{1}{7}\left(\frac{9}{5}m-\frac{5}{6}\right)$ $\left\{1\frac{3}{4}\right\}$

283) $r-\frac{1}{4}\left(r+4\frac{1}{5}\right)=-r+5\frac{3}{40}$ $\left\{3\frac{1}{2}\right\}$

284) $-\frac{5}{7}x-1\frac{1}{49}=-1\frac{5}{7}\left(\frac{1}{4}x+1\right)$ $\left\{2\frac{3}{7}\right\}$

285) $\frac{5}{9}n+3\frac{3977}{4536}=3\frac{7}{8}\left(\frac{1}{7}n+1\right)$ $\left\{-\frac{8}{9}\right\}$

286) $\frac{17}{4}\left(b+\frac{26}{5}\right)=-1\frac{1}{3}b+\frac{2103}{80}$ $\left\{\frac{3}{4}\right\}$

287) $-r-35\frac{1}{25}=-1\frac{4}{5}\left(2\frac{9}{10}r+\frac{27}{5}\right)$ $\{6\}$

288) $-\frac{7}{9}+3\left(-2\frac{8}{9}x+\frac{1}{2}\right)=-40\frac{5}{18}+1\frac{1}{3}x$ $\left\{4\frac{1}{10}\right\}$

289) $9n+29\frac{3}{5}=1\frac{5}{6}\left(-\frac{1}{2}n+1\right)$ $\left\{-2\frac{4}{5}\right\}$

290) $-5\frac{4}{5}-\frac{1}{5}v=\frac{4}{3}v+2\left(v-\frac{29}{10}\right)$ $\{0\}$

291) $\frac{1}{5}a-\frac{7}{5}\left(-2\frac{1}{3}a+\frac{2}{5}\right)=6a-8\frac{119}{150}$ $\left\{3\frac{1}{4}\right\}$

292) $2\left(x-1\frac{1}{2}\right)=-\frac{29}{10}+1\frac{9}{10}x$ $\{1\}$

293) $11\frac{13}{140}-\frac{1}{7}x=3\frac{1}{2}\left(x+1\frac{2}{5}\right)$ $\left\{1\frac{7}{10}\right\}$

294) $\frac{3}{7}\left(n+1\frac{2}{3}\right)=\frac{19}{28}+\frac{1}{2}n$ $\left\{\frac{1}{2}\right\}$

295) $-\frac{2}{7}p+6\frac{109}{448}=\frac{5}{8}\left(-1\frac{1}{7}p+5\frac{7}{8}\right)$ $\{-6\}$

296) $5\frac{1}{3}\left(1\frac{2}{3}k+2\right)-\frac{7}{4}=12\frac{127}{288}+3\frac{1}{4}k$ $\left\{\frac{5}{8}\right\}$

297) $\frac{5}{9}\left(-\frac{17}{6}x+\frac{5}{2}\right)=20\frac{19}{45}+9x$ $\left\{-1\frac{4}{5}\right\}$

298) $\frac{1}{2}m+1\frac{17}{72}=2\frac{3}{8}\left(1\frac{8}{9}m+1\right)$ $\left\{-\frac{2}{7}\right\}$

299) $-\frac{17}{405}-1\frac{3}{5}n=-2\frac{1}{9}\left(\frac{1}{2}n+\frac{1}{9}\right)+\frac{5}{9}$ $\left\{-\frac{2}{3}\right\}$

300) $1\frac{2}{9}r+2\left(\frac{31}{7}r+1\right)=6\frac{1549}{1764}+3\frac{1}{4}r$ $\left\{\frac{5}{7}\right\}$

301) $-1\frac{1}{4}\left(x+\frac{3}{4}\right)=\frac{7}{6}x+7\frac{61}{80}$ $\left\{-3\frac{3}{5}\right\}$

302) $-2\frac{1}{2}n-10\frac{8}{15}=\frac{2}{9}\left(n+1\frac{1}{5}\right)-1$ $\left\{-3\frac{3}{5}\right\}$

303) $15\frac{1}{28}-\frac{1}{2}v=\frac{1}{2}\left(4\frac{4}{7}v+1\frac{1}{10}\right)$ $\left\{5\frac{1}{5}\right\}$

304) $\frac{1}{2}\left(-1\frac{1}{2}n+1\right)=-15\frac{7}{16}+3n$ $\left\{4\frac{1}{4}\right\}$

305) $1\frac{3}{4}b+5\frac{8357}{9072}=-2\frac{3}{7}b-1\frac{1}{9}\left(5\frac{5}{9}b-3\right)$ $\left\{-\frac{1}{4}\right\}$

306) $\frac{29}{5}\left(-x+\frac{1}{2}\right)-\frac{1}{2}x=12\frac{13}{45}-\frac{2}{3}x$ $\left\{-1\frac{2}{3}\right\}$

307) $-\frac{457}{700}-1\frac{2}{5}k=-\frac{1}{8}\left(k+\frac{8}{7}\right)$ $\left\{-\frac{2}{5}\right\}$

308) $\frac{24}{7}+\frac{1}{5}p=1\frac{2}{3}\left(p-1\frac{5}{7}\right)$ $\left\{4\frac{2}{7}\right\}$

309) $-8\frac{1}{30}+\frac{4}{5}a=-2a+1\frac{1}{6}\left(4\frac{4}{9}a+1\right)$ $\left\{-3\frac{6}{7}\right\}$

310) $-1\frac{4}{9}x+\frac{2}{7}\left(\frac{10}{3}x+1\frac{7}{10}\right)=7\frac{29}{2835}-1\frac{3}{5}x$ $\left\{5\frac{8}{9}\right\}$

311) $16\frac{2}{3}+\frac{5}{6}n=-1\frac{2}{3}\left(-\frac{1}{2}n-10\right)$ { All real numbers }

312) $-1\frac{3}{8}m-\frac{11}{25}=-\frac{17}{10}\left(\frac{4}{5}m+\frac{1}{4}\right)$ $\{-1\}$

313) $-2\frac{1}{3}\left(\frac{17}{3}r+\frac{13}{8}\right)=-3\frac{9}{10}r-\frac{18671}{720}$ $\left\{2\frac{3}{8}\right\}$

314) $\frac{46}{9}\left(x-2\frac{1}{10}\right)+1=-3\frac{29}{810}-3\frac{1}{2}x$ $\left\{\frac{7}{9}\right\}$

315) $-1\frac{1}{3}n-\frac{79}{144}=-1\frac{1}{2}\left(n+\frac{5}{8}\right)+\frac{1}{2}$ $\left\{\frac{2}{3}\right\}$

316) $\frac{9}{5}\left(b+5\frac{1}{5}\right)=13\frac{32}{75}-1\frac{1}{4}b$ $\left\{1\frac{1}{3}\right\}$

317) $-1\frac{99}{700}+\frac{2}{7}x=-\frac{2}{5}\left(\frac{7}{8}x+1\frac{9}{10}\right)$ $\left\{\frac{3}{5}\right\}$

318) $2+4\frac{2}{9}\left(\frac{5}{3}v+1\right)=\frac{8266}{189}+3\frac{2}{7}v$ $\{10\}$

319) $\frac{1}{5}\left(1\frac{3}{5}a+\frac{1}{6}\right)=3\frac{449}{1050}+3\frac{5}{7}a$ $\{-1\}$

320) $\frac{40}{7}\left(-1\frac{3}{7}n+\frac{3}{7}\right)=-\frac{249}{35}+1\frac{2}{5}n$ $\{1\}$

321) $\frac{1}{2}v+3\frac{3}{7}=-\left(-\frac{3}{2}v+1\right)$ $\left\{4\frac{3}{7}\right\}$

322) $\frac{12}{7}\left(x-\frac{17}{6}\right)=-\frac{704}{245}-\frac{3}{5}x$ $\left\{\frac{6}{7}\right\}$

323) $1\frac{1}{10}\left(n+2\frac{1}{4}\right)=-15\frac{61}{120}+5\frac{1}{4}n$ $\left\{4\frac{1}{3}\right\}$

324) $3\frac{3}{4}\left(-\frac{2}{9}x+1\right)+\frac{3}{7}=\frac{821}{168}+2x$ $\left\{-\frac{1}{4}\right\}$

325) $-\frac{109}{10}+\frac{4}{7}k=-1\frac{2}{7}\left(1\frac{1}{2}k+\frac{7}{10}\right)$ $\{4\}$

326) $-\frac{27}{8}\left(-1\frac{1}{4}p-2\right)=-\frac{1}{9}p+\frac{2543}{192}$ $\left\{1\frac{1}{2}\right\}$

327) $n+\frac{551}{315}=\frac{2}{7}\left(-1\frac{7}{9}n+1\frac{9}{10}\right)$ $\left\{-\frac{4}{5}\right\}$

328) $-\frac{35}{72}-\frac{1}{3}x=\frac{1}{3}\left(3\frac{5}{6}x-3\right)-\frac{3}{2}$ $\left\{1\frac{1}{4}\right\}$

329) $-\frac{1007}{120}+3\frac{1}{4}m=-\frac{5}{3}\left(-\frac{7}{2}m+1\right)+\frac{1}{4}$ $\left\{-2\frac{7}{10}\right\}$

330) $1\frac{3}{5}r+\frac{3}{8}\left(r-2\frac{8}{9}\right)=-2\frac{67}{300}+1\frac{1}{2}r$ $\left\{-2\frac{2}{5}\right\}$

331) $2\frac{1}{4}\left(x-1\frac{2}{3}\right)=-1\frac{1}{8}+1\frac{4}{5}x$ $\left\{5\frac{5}{6}\right\}$

332) $-6\frac{187}{324}-\frac{1}{3}n=-1\frac{2}{3}\left(\frac{2}{3}n+1\right)-\frac{11}{4}$ $\left\{2\frac{7}{9}\right\}$

333) $-1\frac{1}{10}\left(\frac{16}{5}b+5\frac{3}{10}\right)=-11\frac{461}{700}-2\frac{1}{2}b$ $\left\{5\frac{5}{7}\right\}$

334) $4\frac{1}{6}+1\frac{2}{5}\left(-2\frac{3}{7}v-1\frac{1}{2}\right)=1\frac{5}{9}v+13\frac{124}{315}$ $\left\{-2\frac{2}{7}\right\}$

335) $-1\frac{1}{2}\left(n-1\frac{1}{3}\right)=1\frac{3}{5}n-11\frac{13}{30}$ $\left\{4\frac{1}{3}\right\}$

336) $-2\frac{9}{10}\left(-1\frac{3}{5}x+1\frac{1}{10}\right)=-\frac{1153}{100}-3\frac{7}{10}x$ $\{-1\}$

337) $\frac{1}{2}\left(a+\frac{4}{5}\right)+3\frac{1}{3}a=-5\frac{9}{10}a-24\frac{22}{35}$ $\left\{-2\frac{4}{7}\right\}$

338) $2\frac{30}{49}+4\frac{3}{5}k=\frac{25}{7}\left(k+1\frac{1}{7}\right)$ $\left\{1\frac{3}{7}\right\}$

339) $27\frac{25}{168}-\frac{2}{3}x=1\frac{1}{2}\left(\frac{17}{4}x+\frac{4}{3}\right)$ $\left\{3\frac{4}{7}\right\}$

340) $-\frac{1093}{210}+5\frac{1}{3}p=-1\frac{3}{10}+1\frac{3}{7}\left(5\frac{3}{5}p+1\right)$ $\{-2\}$

341) $3\frac{103}{168}+2\frac{1}{7}n=-\frac{1}{6}+1\frac{1}{2}\left(\frac{2}{3}n+\frac{5}{4}\right)$ $\left\{-1\frac{2}{3}\right\}$

342) $2\frac{1}{2}m+4\frac{1067}{1680}=\frac{1}{5}\left(-\frac{4}{7}m-\frac{4}{3}\right)$ $\left\{-1\frac{7}{8}\right\}$

343) $-\frac{5}{9}x+9\frac{191}{720}=-1\frac{1}{8}\left(5\frac{1}{2}x+1\right)-2$ $\left\{-2\frac{1}{5}\right\}$

344) $-\frac{4}{3}\left(\frac{15}{8}r+1\frac{1}{4}\right)=-4\frac{14}{27}-\frac{2}{3}r$ $\left\{1\frac{5}{9}\right\}$

345) $4\frac{3}{10}\left(n+5\frac{7}{8}\right)=\frac{1769}{80}-2n$ $\left\{-\frac{1}{2}\right\}$

346) $2\frac{5}{6}b+\frac{173}{216}=6-1\frac{1}{4}\left(b+\frac{1}{6}\right)$ $\left\{1\frac{2}{9}\right\}$

347) $\frac{1}{2}\left(v+\frac{12}{7}\right)=14\frac{71}{140}-5\frac{4}{5}v$ $\left\{2\frac{1}{6}\right\}$

348) $\frac{59}{120}+1\frac{1}{5}x=\frac{21}{8}\left(2x-\frac{5}{3}\right)+\frac{13}{4}x$ $\left\{\frac{2}{3}\right\}$

349) $\frac{1}{2}\left(4n+\frac{3}{5}\right)+\frac{43}{9}n=-\frac{17}{180}+5\frac{1}{5}n$ $\left\{-\frac{1}{4}\right\}$

350) $3\frac{2}{9}\left(-1\frac{3}{10}a+1\frac{1}{6}\right)=1\frac{1}{6}a+10\frac{247}{810}$ $\left\{-1\frac{2}{9}\right\}$

351) $-\frac{5}{4}-1\frac{7}{8}\left(1\frac{1}{2}v+1\right)=-9\frac{5}{32}-\frac{2}{5}v$ $\left\{2\frac{1}{2}\right\}$

352) $3\frac{3}{140}+2x=-\frac{1}{2}\left(x+1\frac{1}{10}\right)$ $\left\{-1\frac{3}{7}\right\}$

353) $-3\frac{2}{3}\left(x+3\frac{3}{8}\right)=\frac{1}{12}+\frac{2}{3}x$ $\left\{-2\frac{7}{8}\right\}$

354) $-5\frac{103}{175}+2n=-\frac{6}{5}\left(-\frac{3}{5}n+1\right)$ $\left\{3\frac{3}{7}\right\}$

355) $-2\frac{5}{8}k+\frac{687}{80}=\frac{1}{6}\left(4\frac{1}{3}k+5\frac{1}{3}\right)$ $\left\{2\frac{3}{10}\right\}$

356) $\frac{1}{2}\left(1\frac{8}{9}p-\frac{5}{9}\right)+7=9\frac{89}{90}+\frac{2}{5}p$ $\{6\}$

357) $5\frac{4}{9}x-5\frac{559}{720}=\frac{19}{6}\left(2x-1\frac{3}{8}\right)$ $\left\{-1\frac{3}{5}\right\}$

358) $-\frac{24}{5}+4\frac{3}{5}m=-\frac{1}{2}\left(m+\frac{9}{2}\right)$ $\left\{\frac{1}{2}\right\}$

359) $3\frac{3}{10}\left(3\frac{7}{9}r+1\right)=-8r-27\frac{2}{5}$ $\left\{-1\frac{1}{2}\right\}$

360) $-1\frac{6}{7}\left(\frac{4}{5}n-\frac{2}{7}\right)=9\frac{111}{196}+1\frac{4}{5}n$ $\left\{-2\frac{3}{4}\right\}$

361) $2\frac{175}{192}-x=-3\frac{5}{8}\left(4\frac{3}{4}x+1\right)+3\frac{5}{6}$ $\left\{-\frac{1}{6}\right\}$

362) $-22\frac{2}{5}-7n=-\frac{17}{2}\left(n+4\frac{2}{5}\right)$ $\{-10\}$

363) $-\frac{443}{270}+4\frac{5}{6}x=\frac{4}{9}\left(-3\frac{1}{3}x+4\frac{5}{6}\right)$ $\left\{\frac{3}{5}\right\}$

364) $-2\frac{5}{8}\left(\frac{1}{3}v+\frac{7}{10}\right)+4\frac{1}{9}v=-3\frac{1829}{5040}+5\frac{1}{7}v$ $\left\{\frac{4}{5}\right\}$

365) $-20\frac{19}{72}-2\frac{5}{6}b=5\frac{5}{6}\left(-1\frac{1}{2}b-1\frac{1}{2}\right)-\frac{2}{3}$ $\left\{1\frac{5}{6}\right\}$

366) $-\frac{5}{8}\left(\frac{2}{3}x-\frac{11}{4}\right)=1\frac{3}{5}x+5\frac{197}{1120}$ $\left\{-1\frac{5}{7}\right\}$

367) $-\frac{1}{4}\left(p+\frac{1}{6}\right)=-\frac{4}{7}p-1\frac{109}{168}$ $\{-5\}$

368) $-13\frac{1}{18}+5\frac{4}{5}x=-2\frac{4}{5}\left(\frac{2}{3}x+3\frac{3}{4}\right)$ $\left\{\frac{1}{3}\right\}$

369) $4\left(a+1\frac{2}{5}\right)=18\frac{16}{35}+\frac{8}{7}a$ $\left\{4\frac{1}{2}\right\}$

370) $-\frac{13}{10}\left(k+\frac{19}{4}\right)+3\frac{4}{7}=-\frac{201}{1400}+2\frac{4}{5}k$ $\left\{-\frac{3}{5}\right\}$

371) $-\frac{1119}{392}-2m=-1\frac{2}{7}\left(1\frac{3}{8}m+\frac{19}{8}\right)$ $\left\{\frac{6}{7}\right\}$

372) $\frac{5}{9}\left(x+1\frac{2}{3}\right)=\frac{4}{5}x+1\frac{278}{405}$ $\left\{-3\frac{1}{9}\right\}$

373) $16\frac{313}{360}+3\frac{5}{6}n=\frac{17}{4}\left(-\frac{5}{3}n-\frac{9}{10}\right)-\frac{3}{2}n$ $\left\{-1\frac{2}{3}\right\}$

374) $1\frac{13}{72}-3\frac{3}{4}r=-1\frac{1}{3}\left(\frac{13}{6}r+1\frac{3}{4}\right)+\frac{1}{2}$ $\left\{3\frac{1}{2}\right\}$

375) $38\frac{139}{960}-1\frac{1}{8}v=3\frac{1}{6}\left(\frac{9}{5}v+1\right)$ $\left\{5\frac{1}{8}\right\}$

376) $2\frac{1}{12}+6n=4\frac{1}{2}+1\frac{2}{3}\left(n+\frac{57}{10}\right)$ $\left\{2\frac{3}{4}\right\}$

377) $\frac{2}{3}\left(-1\frac{5}{9}b+1\right)-\frac{1}{3}b=-\frac{104}{27}+\frac{8}{9}b$ $\{2\}$

378) $\frac{17}{10}x-3\frac{1}{9}\left(-\frac{5}{2}x+\frac{1}{2}\right)=27\frac{161}{270}+4\frac{1}{3}x$ $\left\{5\frac{2}{3}\right\}$

379) $-\frac{1037}{504}+3\frac{1}{7}n=-1\frac{1}{4}\left(\frac{16}{9}n-\frac{1}{2}\right)$ $\left\{\frac{1}{2}\right\}$

380) $2\frac{5}{9}\left(\frac{2}{7}a+\frac{3}{4}\right)-\frac{1}{7}=9a+31\frac{403}{2268}$ $\left\{-3\frac{5}{9}\right\}$

381) $6\left(3\frac{1}{2}x+1\right)=34\frac{17}{50}-\frac{4}{5}x$ $\left\{1\frac{3}{10}\right\}$

382) $3\frac{5}{7}-2\frac{1}{5}\left(x+3\frac{5}{9}\right)=-3\frac{7}{9}x-1\frac{362}{2835}$ $\left\{1\frac{8}{9}\right\}$

383) $-20\frac{445}{567}+6\frac{3}{10}n=\frac{31}{9}\left(n-1\frac{3}{7}\right)$ $\left\{5\frac{5}{9}\right\}$

384) $-\frac{3077}{5040}-\frac{6}{7}k=-\frac{2}{5}\left(3\frac{1}{4}k+1\frac{1}{9}\right)$ $\left\{\frac{3}{8}\right\}$

385) $8\left(-2\frac{1}{3}k+1\frac{1}{2}\right)=25\frac{1}{3}+8k$ $\left\{-\frac{1}{2}\right\}$

386) $\frac{17}{6}\left(2p+1\frac{4}{7}\right)=17\frac{11}{14}-p$ $\{2\}$

387) $\frac{11}{6}\left(-\frac{1}{3}x+1\frac{2}{9}\right)+1\frac{4}{5}x=-1\frac{3}{8}x-2\frac{479}{540}$ $\{-2\}$

388) $-1\frac{4}{5}\left(7n+2\frac{1}{6}\right)-\frac{5}{8}n=-43\frac{259}{320}-1\frac{2}{5}n$ $\left\{3\frac{3}{8}\right\}$

389) $1\frac{2}{3}m-\frac{49}{72}=-3\frac{5}{6}\left(m-\frac{7}{3}\right)$ $\left\{1\frac{3}{4}\right\}$

390) $-\frac{1}{16}-\frac{1}{2}x=-\frac{1}{2}\left(x+\frac{1}{8}\right)$ { All real numbers. }

391) $-\frac{2243}{60}-1\frac{1}{2}r=-7\frac{1}{6}\left(r+4\frac{1}{10}\right)-\frac{1}{3}r$ $\left\{1\frac{1}{3}\right\}$

392) $\frac{527}{168}+3b=3\frac{4}{7}\left(-\frac{1}{4}b+\frac{1}{3}\right)$ $\left\{-\frac{1}{2}\right\}$

393) $1\frac{3}{7}x+\frac{3}{5}\left(2x-\frac{5}{3}\right)=-10x-1$ $\{0\}$

394) $\frac{1}{2}\left(-\frac{1}{10}v+\frac{1}{8}\right)=\frac{3}{10}v-\frac{19}{144}$ $\left\{\frac{5}{9}\right\}$

395) $-\frac{1}{2}n+\frac{881}{25}=-3\frac{1}{2}\left(4\frac{2}{5}n+1\right)$ $\left\{-2\frac{3}{5}\right\}$

396) $\frac{2}{7}\left(\frac{1}{5}x-2\frac{5}{6}\right)=2x+\frac{17}{7}$ $\left\{-1\frac{2}{3}\right\}$

397) $-3a+\frac{56}{15}=-\frac{1}{5}\left(a-\frac{2}{3}\right)$ $\left\{1\frac{2}{7}\right\}$

398) $\frac{7}{8}k+30\frac{1}{4}=-\frac{13}{4}\left(-1\frac{3}{10}k+1\right)$ $\{10\}$

399) $\frac{1}{10}\left(4\frac{1}{6}p+1\right)=2\frac{307}{420}-p$ $\left\{1\frac{6}{7}\right\}$

400) $-1\frac{1}{9}+\frac{28}{5}\left(-\frac{1}{2}x+9\frac{7}{10}\right)=x+\frac{50459}{1575}$ $\left\{5\frac{4}{7}\right\}$

401) $-1\frac{2}{3}\left(\frac{3}{4}n+\frac{41}{12}\right)=7\frac{3}{4}n-4\frac{347}{396}$ $\left\{-\frac{1}{11}\right\}$

402) $-\frac{2}{5}m-12\frac{689}{1260}=\frac{5}{3}\left(\frac{31}{6}m+5\frac{13}{14}\right)+\frac{1}{10}$ $\left\{-2\frac{1}{2}\right\}$

403) $1\frac{1}{12}-\frac{1}{4}\left(3\frac{2}{9}r-1\frac{1}{3}\right)=-\frac{5}{42}-2r$ $\left\{-1\frac{2}{7}\right\}$

404) $-1\frac{11}{13}\left(-3\frac{5}{14}x+1\right)=-\frac{1}{3}x+19\frac{2686}{3549}$ $\left\{3\frac{4}{13}\right\}$

405) $-17\frac{95827}{120120}+5\frac{4}{11}x=6\frac{13}{14}\left(\frac{3}{5}x-1\frac{7}{13}\right)$ $\left\{5\frac{11}{12}\right\}$

406) $-\frac{79}{154}-1\frac{6}{7}b=-\frac{17}{11}\left(b+1\frac{3}{10}\right)$ $\left\{4\frac{4}{5}\right\}$

407) $-\frac{1}{7}n-2\frac{1}{3}\left(n+\frac{47}{12}\right)=-9\frac{5}{36}+7\frac{2}{9}n$ $\{0\}$

408) $-5\frac{9}{28}+5\frac{4}{5}v=\frac{17}{3}\left(v-\frac{4}{7}\right)-1\frac{1}{4}$ $\left\{6\frac{1}{4}\right\}$

409) $\frac{461837}{66066}+7\frac{5}{13}n=6\frac{1}{7}n+1\frac{6}{11}\left(1\frac{1}{2}n+4\frac{1}{3}\right)$ $\left\{\frac{3}{11}\right\}$

410) $-8\frac{147}{208}-\frac{1}{4}a=\frac{5}{4}+6\frac{1}{14}\left(1\frac{3}{5}a-\frac{1}{8}\right)$ $\left\{-\frac{12}{13}\right\}$

411) $-1\frac{3}{4}x-2\frac{1}{2}\left(x+\frac{1}{4}\right)=-\frac{153}{5}+1\frac{1}{5}x$ $\left\{5\frac{1}{2}\right\}$

412) $5\frac{5}{8}\left(-\frac{1}{2}x+1\right)=-2x+1\frac{5}{32}$ $\left\{5\frac{1}{2}\right\}$

413) $16\frac{11}{12}+n=2\left(2\frac{2}{9}n+1\right)+\frac{43}{6}$ $\left\{2\frac{1}{4}\right\}$

414) $\frac{133}{40}+7\frac{1}{6}k=1\frac{13}{14}\left(6\frac{1}{2}k+5\frac{9}{10}\right)$ $\left\{-1\frac{1}{2}\right\}$

415) $2\frac{7}{11}p+2\frac{49}{2178}=-\frac{1}{2}\left(2p+3\frac{8}{9}\right)$ $\left\{-1\frac{1}{11}\right\}$

416) $-\frac{458}{63}+1\frac{1}{2}m=-1\frac{8}{9}\left(m+\frac{79}{14}\right)$ $\{-1\}$

417) $-\frac{35}{3}\left(\frac{1}{3}n+\frac{17}{11}\right)=-\frac{1}{4}n-\frac{42775}{2772}$ $\left\{-\frac{5}{7}\right\}$

418) $-1\frac{1}{5}+2\frac{2}{5}\left(\frac{11}{6}x-1\frac{5}{7}\right)=-8\frac{307}{420}+1\frac{2}{3}x$ $\left\{-1\frac{1}{4}\right\}$

419) $-\frac{5}{3}r-\frac{2321}{96}=4\frac{1}{3}\left(-\frac{17}{12}r+1\right)$ $\left\{6\frac{3}{8}\right\}$

420) $-\frac{29}{8}-\frac{3}{11}\left(n+4\frac{1}{2}\right)=-9\frac{183}{1144}+n$ $\left\{3\frac{5}{13}\right\}$

421) $-11\frac{71}{78}+7\frac{1}{3}x=\frac{3}{13}\left(\frac{11}{4}x+1\right)-2\frac{4}{7}$ $\left\{1\frac{3}{7}\right\}$

422) $4\frac{1}{5}b+\frac{105436}{17745}=-\frac{8}{13}\left(1\frac{10}{13}b+\frac{1}{6}\right)$ $\left\{-1\frac{1}{7}\right\}$

423) $-\frac{3}{13}\left(1\frac{5}{12}x+5\frac{5}{8}\right)=-\frac{5355}{208}+6\frac{11}{12}x$ $\left\{3\frac{3}{8}\right\}$

424) $-7\frac{2357}{6930}+1\frac{1}{3}v=\frac{38}{9}\left(\frac{2}{5}v-\frac{15}{11}\right)-1\frac{1}{10}$ $\left\{-1\frac{5}{14}\right\}$

425) $9\left(-\frac{5}{4}x+2\right)=\frac{119}{9}+3\frac{1}{12}x$ $\left\{\frac{1}{3}\right\}$

426) $9\frac{49}{52}+6\frac{1}{8}a=\frac{12}{13}\left(a-\frac{1}{2}\right)$ $\{-2\}$

427) $-\frac{3}{4}\left(k-2\frac{1}{2}\right)=-3\frac{93}{196}+7\frac{4}{7}k$ $\left\{\frac{9}{14}\right\}$

428) $-3\frac{3}{10}p+3\frac{1}{10}\left(p-1\frac{1}{6}\right)=-3\frac{323}{660}-\frac{4}{11}p$ $\left\{\frac{7}{9}\right\}$

429) $-15\frac{13}{18}-1\frac{5}{6}x=6\frac{1}{4}\left(x-1\frac{2}{9}\right)$ $\{-1\}$

430) $-67\frac{31}{32}-n=-\frac{3}{4}\left(8n+\frac{65}{8}\right)$ $\left\{12\frac{3}{8}\right\}$

431) $-\frac{3523}{154}+\frac{1}{2}r=-\frac{1}{3}\left(8r+3\frac{6}{7}\right)$ $\left\{6\frac{9}{11}\right\}$

432) $-7\frac{1}{10}\left(-2\frac{5}{9}m+\frac{16}{5}\right)=-54\frac{1753}{3150}+9\frac{13}{14}m$ $\left\{-3\frac{7}{8}\right\}$

433) $\frac{3}{10}\left(-1\frac{4}{7}n+1\right)=17\frac{317}{455}+1\frac{6}{13}n$ $\{-9\}$

434) $-2x-7\frac{1381}{3960}=-\frac{20}{11}-\frac{5}{8}\left(x+\frac{44}{9}\right)$ $\left\{-1\frac{4}{5}\right\}$

435) $5\frac{4}{7}\left(-1\frac{1}{2}b+1\right)+\frac{15}{11}b=-6\frac{111}{1001}+\frac{3}{5}b$ $\left\{1\frac{7}{13}\right\}$

436) $-\frac{4}{7}\left(4\frac{1}{2}v+1\right)+\frac{29}{14}v=1\frac{47}{175}+1\frac{4}{5}v$ $\left\{-\frac{4}{5}\right\}$

437) $-\frac{7563}{455}+4\frac{1}{14}x=-\frac{7}{4}\left(\frac{33}{13}x+\frac{12}{7}\right)$ $\left\{1\frac{3}{5}\right\}$

438) $-7\frac{63}{104}+\frac{1}{13}n=-3\frac{2}{5}\left(1\frac{3}{5}n+1\frac{3}{8}\right)+\frac{5}{3}$ $\left\{\frac{5}{6}\right\}$

439) $-\frac{3}{5}\left(-\frac{1}{8}a-1\frac{9}{13}\right)=6\frac{7}{8}a+4\frac{383}{390}$ $\left\{-\frac{7}{12}\right\}$

440) $-12\frac{5}{8}\left(-\frac{79}{6}k+\frac{41}{14}\right)=-36\frac{109}{112}-\frac{1}{2}k$ $\{0\}$

441) $4\frac{8}{9}k-37\frac{1285}{1512}=6\frac{2}{7}+\frac{25}{6}\left(-9k+\frac{3}{7}\right)$ $\left\{1\frac{1}{12}\right\}$

442) $2\frac{141}{364}+\frac{3}{8}x=2\left(-\frac{15}{14}x+1\right)$ $\left\{-\frac{2}{13}\right\}$

443) $-24\frac{3}{10}+1\frac{2}{5}x=6\frac{1}{7}\left(-\frac{9}{4}x+1\right)$ $\{2\}$

444) $\frac{2349}{715}+\frac{10}{11}m=-\frac{7}{13}\left(m-\frac{9}{5}\right)$ $\left\{-1\frac{3}{5}\right\}$

445) $5\frac{11}{42}+4\frac{1}{6}n=6\frac{5}{6}\left(n-\frac{11}{7}\right)-\frac{8}{9}$ $\left\{6\frac{1}{3}\right\}$

446) $-\left(-2x+\frac{102}{13}\right)=-7\frac{30}{143}+1\frac{8}{9}x$ $\left\{5\frac{8}{11}\right\}$

447) $\frac{1}{6}\left(1\frac{2}{5}p+\frac{1}{3}\right)+5\frac{9}{13}p=\frac{2}{13}p+\frac{1132}{117}$ $\left\{1\frac{2}{3}\right\}$

448) $2\frac{1}{7}\left(-\frac{13}{6}n+\frac{18}{11}\right)+6\frac{5}{6}n=-10\frac{4}{231}+\frac{1}{2}n$ $\{-8\}$

449) $-1\frac{11}{12}\left(r-1\frac{5}{6}\right)=-22\frac{35}{72}+\frac{3}{4}r$ $\left\{9\frac{3}{4}\right\}$

450) $\frac{15}{4}x+\frac{1}{13}\left(x+7\frac{1}{4}\right)=-\frac{3649}{468}+4\frac{11}{12}x$ $\left\{7\frac{2}{3}\right\}$

451) $\frac{3}{4}m-\frac{649}{1701}=\frac{2}{3}\left(\frac{8}{9}m-\frac{26}{7}\right)+1\frac{1}{2}$ $\left\{-3\frac{7}{9}\right\}$

452) $-27\frac{17}{26}-\frac{7}{8}n=13\left(n+\frac{1}{2}\right)$ $\left\{-2\frac{6}{13}\right\}$

453) $\frac{6}{5}b-\frac{37}{12}\left(4\frac{3}{7}b-1\frac{9}{13}\right)=-39\frac{69967}{131040}+3\frac{1}{9}b$ $\left\{2\frac{7}{8}\right\}$

454) $-\frac{229}{396}-\frac{5}{4}x=4\frac{1}{4}\left(\frac{1}{3}x-1\frac{2}{11}\right)$ $\left\{1\frac{2}{3}\right\}$

455) $\frac{3}{13}\left(3\frac{4}{13}v+4\frac{9}{10}\right)=-2\frac{11}{13}v-\frac{11621}{2535}$ $\left\{-1\frac{7}{12}\right\}$

456) $-10\frac{206}{385}+\frac{1}{5}x=\frac{2}{11}x-1\frac{1}{5}\left(1\frac{1}{14}x-1\right)$ $\{9\}$

457) $-\frac{7}{4}\left(7\frac{7}{9}k+1\right)=-3\frac{3}{8}k-9\frac{31}{504}$ $\left\{\frac{5}{7}\right\}$

458) $\frac{92}{21}-\frac{1}{5}p=\frac{8}{5}\left(-1\frac{3}{7}p+1\right)$ $\left\{-1\frac{1}{3}\right\}$

459) $-\frac{1665}{112}+4\frac{7}{8}x=2\left(x+1\frac{1}{2}\right)$ $\left\{6\frac{3}{14}\right\}$

460) $\frac{43}{6}\left(\frac{77}{12}a+1\right)=18\frac{283}{728}-2\frac{9}{14}a$ $\left\{\frac{3}{13}\right\}$

461) $\frac{1}{2}\left(1\frac{1}{2}n+\frac{1}{6}\right)+3\frac{5}{6}n=-1\frac{3}{8}n-7\frac{1}{15}$ $\left\{-1\frac{1}{5}\right\}$

462) $-\frac{32349}{728}-1\frac{1}{8}m=-\frac{5}{2}\left(1\frac{8}{13}m+7\frac{2}{7}\right)$ $\{9\}$

463) $-\frac{5}{4}r+\frac{94}{231}=\frac{2}{7}+\frac{8}{11}\left(1\frac{7}{11}r+\frac{1}{6}\right)$ $\{0\}$

464) $1\frac{1}{6}\left(2\frac{2}{3}x+\frac{4}{9}\right)=\frac{14}{27}+3\frac{9}{13}x$ $\{0\}$

465) $\frac{3}{8}\left(\frac{4}{5}n+1\right)=1\frac{2}{9}n+2\frac{727}{1800}$ $\left\{-2\frac{1}{5}\right\}$

466) $-\frac{151}{24}-1\frac{1}{6}b=-\frac{7}{2}\left(b+1\frac{3}{4}\right)$ $\left\{\frac{1}{14}\right\}$

467) $-v+42\frac{2}{5}=\frac{28}{5}\left(v+7\frac{1}{10}\right)$ $\left\{\frac{2}{5}\right\}$

468) $-\frac{1}{13}n+19\frac{243}{260}=\frac{9}{14}\left(3\frac{3}{4}n+1\frac{3}{5}\right)$ $\left\{7\frac{3}{5}\right\}$

469) $\frac{2}{7}+1\frac{5}{8}\left(a+14\frac{2}{3}\right)=23\frac{121}{840}+3\frac{1}{4}a$ $\left\{\frac{3}{5}\right\}$

470) $-64\frac{411}{4160}-2\frac{7}{10}x=\frac{1}{13}x-3\frac{5}{8}\left(2x+\frac{23}{8}\right)$ $\{12\}$

471) $-8\left(1\frac{7}{11}x-2\frac{1}{6}\right)=10x+\frac{5780}{99}$ $\left\{-1\frac{7}{9}\right\}$

472) $-1\frac{4}{11}x-1\frac{193}{792}=-1\frac{1}{4}\left(x+\frac{8}{9}\right)$ $\left\{-1\frac{1}{6}\right\}$

473) $-1\frac{4}{7}k+2\frac{2}{13}\left(\frac{23}{14}k+\frac{69}{14}\right)=\frac{14150}{819}-1\frac{2}{3}k$ $\left\{1\frac{5}{6}\right\}$

474) $-2\left(6\frac{2}{7}n+1\right)=-9\frac{13}{15}-1\frac{1}{3}n$ $\left\{\frac{7}{10}\right\}$

475) $-\frac{3077}{880}+1\frac{3}{11}x=-\left(1\frac{1}{8}x+\frac{20}{11}\right)$ $\left\{\frac{7}{10}\right\}$

476) $\frac{3077}{495}-\frac{10}{9}m=\frac{14}{11}m+5\frac{3}{8}\left(-\frac{3}{5}m+1\right)$ $\{-1\}$

477) $-1\frac{3}{4}p-3\frac{421}{1248}=\frac{21}{8}\left(-1\frac{1}{2}p+1\frac{12}{13}\right)$ $\left\{3\frac{5}{6}\right\}$

478) $6\frac{1}{7}-3\frac{3}{8}m=\frac{1}{2}\left(1\frac{5}{7}m+1\right)$ $\left\{1\frac{1}{3}\right\}$

479) $\frac{39}{5}\left(\frac{1}{3}n-\frac{3}{5}\right)-\frac{10}{11}n=-\frac{5}{9}n-\frac{62549}{7425}$ $\left\{-1\frac{2}{3}\right\}$

480) $-18\frac{157}{168}+7\frac{7}{11}x=5\frac{1}{12}\left(\frac{1}{2}x+1\right)$ $\left\{4\frac{5}{7}\right\}$

481) $-1\frac{2}{7}r+4\frac{1}{13}\left(-2\frac{9}{14}r+1\right)=\frac{6}{7}r+\frac{5815}{273}$ $\left\{-1\frac{1}{3}\right\}$

482) $-\frac{1}{4}\left(n-\frac{8}{5}\right)+\frac{91}{12}=2\frac{17}{30}+n$ $\left\{4\frac{1}{3}\right\}$

483) $5\frac{1}{4}\left(1\frac{4}{5}v+\frac{1}{4}\right)=16\frac{653}{720}-3\frac{11}{12}v$ $\left\{1\frac{1}{6}\right\}$

484) $5\frac{191}{539}+2b=2\left(6\frac{2}{7}b+2\right)-\frac{12}{11}b$ $\left\{\frac{1}{7}\right\}$

485) $-12\frac{63}{65}+13x=6\frac{10}{13}\left(14x+\frac{1}{2}\right)$ $\left\{-\frac{1}{5}\right\}$

486) $-2\frac{1497}{1694}-\frac{15}{14}x=-4x+\frac{10}{11}\left(-\frac{4}{7}x+2\right)$ $\left\{1\frac{4}{11}\right\}$

487) $8\frac{19}{45}+3\frac{1}{3}k=\frac{4}{5}\left(k+5\frac{7}{9}\right)$ $\left\{-1\frac{1}{2}\right\}$

488) $-11\frac{23}{110}-\frac{3}{7}a=-\frac{1}{8}\left(3\frac{9}{11}a-1\frac{5}{14}\right)-3\frac{7}{8}a$ $\left\{2\frac{9}{10}\right\}$

489) $5\frac{2}{5}\left(p+1\frac{1}{2}\right)=20\frac{3}{5}-\frac{11}{10}p$ $\left\{1\frac{12}{13}\right\}$

490) $-5\frac{29}{156}+4\frac{8}{13}x=-\frac{1}{3}\left(\frac{53}{12}x+1\right)-2x$ $\left\{\frac{3}{5}\right\}$

491) $-\frac{2}{5}\left(\frac{20}{3}m+\frac{1}{8}\right)=\frac{1}{10}m-\frac{2923}{360}$ $\left\{2\frac{11}{12}\right\}$

492) $-3\frac{1}{2}\left(7\frac{5}{6}r-3\frac{5}{6}\right)=-67\frac{41}{132}+\frac{1}{3}r$ $\left\{2\frac{10}{11}\right\}$

493) $18\frac{51}{56}-\frac{3}{2}n=7\frac{1}{4}\left(-\frac{15}{14}n+\frac{33}{10}\right)$ $\left\{\frac{4}{5}\right\}$

494) $-5b+13\frac{3}{7}=\frac{7}{2}\left(-\frac{37}{12}b+1\right)$ $\left\{-1\frac{5}{7}\right\}$

495) $-\frac{5}{6}x+2\left(\frac{2}{3}x+\frac{16}{3}\right)=\frac{169}{15}+1\frac{1}{10}x$ $\{-1\}$

496) $4\frac{3}{8}+\frac{1}{2}\left(1\frac{3}{5}n+\frac{11}{14}\right)=\frac{1861}{3080}+5\frac{8}{9}n$ $\left\{\frac{9}{11}\right\}$

497) $-1\frac{4}{7}\left(v+\frac{3}{10}\right)-\frac{3}{2}v=-v+26\frac{16}{35}$ $\{-13\}$

498) $\frac{173}{26}-\frac{1}{2}x=2\left(5x-1\frac{12}{13}\right)$ $\{1\}$

499) $-1\frac{6}{11}\left(10\frac{3}{11}a+2\frac{1}{2}\right)=\frac{112789}{6050}+\frac{1}{5}a$ $\left\{-1\frac{2}{5}\right\}$

500) $-\frac{7805}{216}-1\frac{5}{9}n=3\frac{1}{2}\left(2n-2\frac{7}{12}\right)$ $\left\{-3\frac{1}{6}\right\}$

501) $\frac{1}{2}x-1\frac{5}{13}x=-1\frac{5}{11}\left(1\frac{7}{10}x+\frac{11}{9}\right)-\frac{1}{2}\left(-\frac{9}{7}x+\frac{5}{6}\right)$ $\left\{-2\frac{54763}{170316}\right\}$

502) $k+1\frac{2}{3}\left(\frac{10}{9}k+\frac{23}{10}\right)=14\left(\frac{40}{9}k+9\right)-\frac{46}{13}$ $\left\{-1\frac{41599}{41678}\right\}$

503) $7\frac{1}{4}\left(-2\frac{3}{5}m+\frac{10}{9}\right)=-1\frac{1}{2}\left(m+\frac{11}{4}\right)-2m$ $\left\{\frac{4385}{5526}\right\}$

504) $-1\frac{6}{7}\left(n+\frac{4}{3}\right)=-3\frac{2}{3}\left(2\frac{4}{5}n+\frac{77}{12}\right)$ $\left\{-2\frac{5333}{10596}\right\}$

505) $-1\frac{3}{14}\left(\frac{3}{4}x+\frac{44}{13}\right)=2\frac{1}{8}x+\frac{3}{5}\left(1\frac{9}{10}x+1\frac{1}{3}\right)$ $\left\{-1\frac{6681}{37999}\right\}$

506) $5\frac{2}{9}\left(\frac{18}{13}p-2\frac{1}{7}\right)+1\frac{5}{7}=-p+13\left(2\frac{7}{12}p+1\right)$ $\left\{-\frac{24544}{27685}\right\}$

507) $\frac{19}{10}\left(1\frac{1}{4}n+1\frac{3}{7}\right)=-1-\left(2\frac{1}{2}n+1\right)$ $\left\{-\frac{88}{91}\right\}$

508) $b+7\frac{8}{13}+3\frac{1}{2}b=\frac{1}{2}\left(4\frac{3}{5}b+\frac{13}{11}\right)+2\frac{2}{3}\left(\frac{1}{3}b+12\right)$ $\left\{19\frac{829}{16874}\right\}$

509) $-1\frac{2}{3}\left(\frac{9}{10}x-\frac{5}{2}\right)-\frac{2}{5}x=-\left(x-2\frac{9}{14}\right)$ $\left\{1\frac{131}{189}\right\}$

510) $3\frac{4}{7}x+\frac{13}{14}+x-\frac{47}{14}=-9\left(x+5\frac{1}{2}\right)+\frac{25}{13}\left(-\frac{3}{8}x+1\frac{1}{8}\right)$ $\left\{-3\frac{1478}{10405}\right\}$

511) $-\frac{3}{14}\left(r+1\frac{1}{2}\right)=-\frac{5}{4}-\frac{3}{7}\left(r+\frac{5}{2}\right)$ $\left\{-9\frac{1}{3}\right\}$

512) $-1\frac{3}{14}\left(2\frac{1}{11}n+1\frac{5}{7}\right)+\frac{37}{5}n=5\frac{3}{7}n+\frac{2}{3}\left(3\frac{7}{10}n+\frac{4}{7}\right)$ $\left\{-\frac{39820}{49063}\right\}$

513) $-\frac{9}{11}\left(4\frac{1}{4}x+1\right)-1=7\frac{3}{7}\left(-2x-\frac{12}{7}\right)$ $\left\{-\frac{23536}{24535}\right\}$

514) $\frac{1}{5}v-\frac{11}{13}v=2\left(7\frac{4}{9}v+1\right)+1\frac{1}{2}\left(2\frac{3}{10}v+1\frac{7}{13}\right)$ $\left\{-\frac{2016}{8885}\right\}$

515) $\frac{1}{2}\left(\frac{10}{13}b+7\frac{7}{9}\right)+\frac{1}{8}b=1\frac{3}{7}+2\frac{7}{12}\left(5\frac{1}{2}b+6\frac{5}{12}\right)$ $\left\{-1\frac{1823}{59836}\right\}$

516) $-\frac{6}{7}+\frac{7}{4}\left(\frac{7}{13}x+\frac{2}{3}\right)=-\frac{18}{13}\left(\frac{3}{7}x+\frac{19}{14}\right)$ $\left\{-1\frac{713}{1677}\right\}$

517) $a-\frac{13}{4}\left(6\frac{1}{2}a-10\right)=-\frac{8}{11}\left(\frac{7}{4}a-\frac{1}{4}\right)$ $\left\{1\frac{5}{7}\right\}$

518) $-1\frac{2}{11}k+\frac{1}{3}\left(-\frac{5}{3}k+\frac{77}{10}\right)=-1\frac{1}{4}\left(k-1\frac{2}{9}\right)-\frac{19}{14}k$ $\left\{-1\frac{2344}{12055}\right\}$

519) $-\left(-\frac{5}{4}x-\frac{6}{11}\right)=7\frac{9}{14}\left(-\frac{9}{5}x+1\right)$ $\left\{\frac{10930}{23111}\right\}$

520) $-\left(\frac{4}{13}p+1\frac{1}{2}\right)+\frac{30}{7}\left(p-\frac{4}{3}\right)=1\frac{1}{2}p+\frac{3}{4}p$ $\left\{4\frac{110}{629}\right\}$

521) $\frac{1}{2}\left(1\frac{1}{2}m+1\right)=\frac{8}{9}m-2\left(\frac{11}{14}m+1\frac{1}{2}\right)$ $\left\{-2\frac{160}{361}\right\}$

522) $4\frac{2}{3}n-\frac{6}{13}+\frac{7}{2}n=5\frac{1}{3}\left(n+\frac{7}{13}\right)+\frac{19}{4}\left(-1\frac{7}{10}n-\frac{5}{6}\right)$ $\left\{-\frac{75}{1309}\right\}$

523) $\frac{34}{7}\left(5\frac{7}{10}x+1\frac{4}{7}\right)=-1\frac{1}{3}+\frac{112}{9}\left(x+\frac{3}{2}\right)$ $\left\{\frac{21390}{33607}\right\}$

524) $\frac{3}{4}r+\frac{17}{6}\left(\frac{62}{11}r+2\right)=\frac{95}{14}\left(\frac{2}{7}r+1\right)+6\frac{2}{11}$ $\left\{\frac{47222}{95603}\right\}$

525) $-\frac{20}{7}\left(3\frac{2}{11}n-\frac{2}{3}\right)=-1\frac{1}{4}+1\frac{2}{5}\left(\frac{26}{9}n-\frac{19}{11}\right)$ $\left\{\frac{77241}{182056}\right\}$

526) $2b+2\frac{1}{2}+3\frac{5}{13}=\frac{94}{13}\left(b-\frac{1}{2}\right)-1\frac{1}{3}\left(4\frac{1}{7}b+5\frac{3}{10}\right)$ $\left\{-56\frac{427}{800}\right\}$

527) $-13\frac{1}{2}\left(v-\frac{1}{4}\right)=3\frac{10}{13}\left(-\frac{1}{2}v+\frac{67}{12}\right)$ $\left\{-1\frac{1889}{3624}\right\}$

528) $-\frac{1}{10}\left(\frac{5}{13}x-3\frac{4}{11}\right)+1\frac{3}{4}=-\frac{9}{10}\left(-\frac{1}{3}x+8\right)+\frac{2}{3}x$ $\left\{9\frac{2061}{8624}\right\}$

529) $-\left(\frac{5}{8}k+1\right)=\frac{1}{2}\left(k-\frac{3}{4}\right)$ $\left\{-\frac{5}{9}\right\}$

530) $-1\frac{3}{8}n+3\frac{1}{7}\left(1\frac{3}{7}n+1\frac{1}{6}\right)=1\frac{7}{8}\left(\frac{5}{12}n+1\right)$ $\left\{-\frac{8428}{10977}\right\}$

531) $-1\frac{9}{13}\left(-\frac{3}{7}a+1\right)+\frac{99}{14}a=-\frac{1}{11}\left(2\frac{3}{7}a+7\frac{1}{6}\right)$ $\left\{\frac{893}{6879}\right\}$

532) $6\frac{1}{12}\left(4\frac{1}{14}x+1\frac{1}{4}\right)=1\frac{1}{2}\left(\frac{21}{8}x-1\frac{1}{3}\right)$ $\left\{-\frac{3227}{6999}\right\}$

533) $-\frac{5}{4}\left(x+1\frac{3}{7}\right)=-3\frac{7}{10}\left(4\frac{1}{3}x-1\right)$ $\left\{\frac{2304}{6209}\right\}$

534) $1\frac{3}{8}n-\frac{10}{13}\left(n+\frac{1}{9}\right)=-1\frac{2}{3}n+1\frac{9}{14}\left(n+7\frac{5}{6}\right)$ $\left\{20\frac{2378}{4125}\right\}$

535) $-\frac{11}{5}+1\frac{1}{4}\left(-3\frac{1}{5}p+\frac{1}{5}\right)=\frac{9}{14}\left(5\frac{3}{4}p+\frac{13}{4}\right)$ $\left\{-\frac{1131}{2155}\right\}$

536) $-2\frac{1}{3}-\frac{3}{13}\left(m+1\frac{5}{11}\right)=3\frac{5}{14}m-2\left(\frac{34}{5}m+\frac{1}{3}\right)$ $\left\{\frac{60130}{300663}\right\}$

537) $2\frac{4}{5}\left(-10\frac{5}{12}x+\frac{31}{6}\right)=\frac{3}{4}x+\frac{3}{5}\left(\frac{7}{9}x+\frac{19}{10}\right)$ $\left\{\frac{3998}{9115}\right\}$

538) $1\frac{1}{3}\left(-3\frac{3}{14}n+1\right)=1\frac{1}{5}\left(-6n+\frac{5}{13}\right)$ $\left\{-\frac{35}{117}\right\}$

539) $\frac{8}{7}b+1\frac{1}{4}\left(\frac{3}{7}b-\frac{1}{5}\right)=2-\frac{2}{3}\left(5\frac{5}{14}b+1\right)$ $\left\{\frac{19}{63}\right\}$

540) $-\frac{1}{10}\left(-1\frac{4}{7}x-\frac{8}{13}\right)-\frac{10}{7}\left(-1\frac{1}{2}x-\frac{2}{3}\right)=\frac{79}{12}x+1+1\frac{3}{8}$ $\left\{-\frac{14863}{46774}\right\}$

541) $\frac{21}{11}r+\frac{2}{3}\left(-\frac{25}{7}r+5\frac{3}{13}\right)=-1\frac{1}{6}\left(1\frac{5}{8}r-5\frac{5}{6}\right)+\frac{4}{3}r$ $\left\{36\frac{7984}{13065}\right\}$

542) $-1\frac{4}{11}\left(\frac{4}{7}n+1\frac{3}{4}\right)=-1\frac{1}{8}\left(\frac{1}{3}n+\frac{23}{11}\right)$ $\left\{-\frac{7}{83}\right\}$

543) $\frac{7}{8}\left(-\frac{27}{8}a+1\right)+2\frac{1}{4}\left(4\frac{1}{2}a-1\right)=a-1\frac{3}{8}-\frac{1}{2}a+1$ $\left\{\frac{64}{427}\right\}$

544) $-2\frac{2}{9}\left(v+\frac{3}{7}\right)+6\frac{7}{10}=\frac{1}{13}\left(1\frac{3}{5}v-10\right)$ $\left\{2\frac{14957}{19208}\right\}$

545) $2\frac{1}{11}\left(\frac{49}{8}x+\frac{61}{13}\right)+3\frac{1}{6}=-2\frac{3}{8}\left(6\frac{2}{3}x+1\frac{1}{6}\right)$ $\left\{-\frac{108099}{196586}\right\}$

546) $\frac{41}{10}x+\frac{12}{11}\left(-1\frac{3}{4}x+2\frac{1}{6}\right)=\frac{7}{5}\left(\frac{3}{2}x+1\right)$ $\left\{-10\frac{3}{5}\right\}$

547) $6\left(-\frac{1}{3}a+1\right)+\frac{3}{14}=\frac{4}{5}\left(a+\frac{7}{8}\right)-\frac{1}{2}a$ $\left\{2\frac{64}{161}\right\}$

548) $2\left(\frac{3}{8}p+5\frac{5}{13}\right)+2\frac{1}{2}=3\frac{4}{5}\left(\frac{17}{3}p+\frac{1}{2}\right)$ $\left\{\frac{8868}{16211}\right\}$

549) $-\frac{29}{9}\left(\frac{5}{3}x+1\right)=1\frac{2}{7}-\frac{8}{5}\left(x+\frac{43}{10}\right)$ $\left\{\frac{11208}{17815}\right\}$

550) $4\frac{5}{6}\left(k-\frac{1}{4}\right)+\frac{3}{7}\left(1\frac{1}{2}k+2\right)=5\frac{3}{10}k+1\frac{4}{13}+1\frac{3}{13}k+1\frac{10}{13}$ $\left\{-3\frac{2887}{11516}\right\}$

551) $-\frac{2}{3}\left(1\frac{4}{11}n+1\right)+\frac{5}{13}n=\frac{4}{5}\left(-1\frac{3}{4}n+\frac{43}{8}\right)$ $\left\{5\frac{2527}{3756}\right\}$

552) $3\frac{2}{3}\left(1\frac{4}{5}m+1\right)=-2\frac{5}{13}\left(-\frac{21}{11}m-3\frac{5}{14}\right)-\frac{3}{2}$ $\left\{1\frac{11881}{30744}\right\}$

553) $\frac{15}{2}\left(x+\frac{5}{8}\right)=-\frac{6}{7}\left(1\frac{9}{11}x+1\frac{10}{13}\right)$ $\left\{-\frac{33121}{48360}\right\}$

554) $r+1\frac{1}{2}+\frac{9}{2}r+11\frac{4}{11}=\frac{37}{9}\left(5\frac{3}{4}r+1\frac{1}{2}\right)-3\frac{7}{9}\left(1\frac{8}{13}r-2\frac{5}{12}\right)$ $\left\{-\frac{37570}{185889}\right\}$

555) $-\frac{4}{5}n+2+n+\frac{3}{8}=7\frac{5}{6}\left(2\frac{6}{7}n+1\right)+3\frac{2}{7}\left(\frac{115}{9}n-\frac{4}{3}\right)$ $\left\{-\frac{2715}{161696}\right\}$

556) $5\frac{3}{5}-\frac{25}{9}\left(\frac{35}{6}b+\frac{16}{9}\right)=3\frac{7}{9}b+7\frac{1}{2}\left(b+\frac{44}{7}\right)$ $\left\{-1\frac{26932}{38955}\right\}$

557) $-14\frac{1}{2}+\frac{7}{10}\left(1\frac{3}{10}v+\frac{77}{10}\right)=\frac{6}{7}v-14\left(v+2\frac{1}{8}\right)$ $\left\{-1\frac{1537}{3279}\right\}$

558) $7\frac{11}{12}-6\left(\frac{25}{4}x-14\right)=-2\frac{1}{12}\left(1\frac{7}{9}x+\frac{23}{6}\right)$ $\left\{2\frac{6979}{7300}\right\}$

559) $-11\left(-\frac{2}{5}n+1\right)=-\frac{3}{2}\left(3\frac{11}{14}n+\frac{15}{2}\right)$ $\left\{-\frac{35}{1411}\right\}$

560) $-3\frac{1}{4}\left(3\frac{5}{7}a+1\frac{7}{13}\right)-3\frac{8}{11}\left(1\frac{4}{5}a+5\frac{7}{8}\right)=4\frac{5}{6}a+\frac{27}{4}a$ $\left\{-\frac{248535}{280562}\right\}$

561) $\frac{17}{11}\left(x+3\frac{7}{9}\right)=-1-1\frac{1}{2}\left(x-\frac{15}{4}\right)$ $\left\{-\frac{961}{2412}\right\}$

562) $-1\frac{2}{3}\left(3k+5\frac{3}{7}\right)=2\frac{2}{9}-3\frac{1}{5}\left(\frac{9}{13}k+12\right)$ $\left\{9\frac{8471}{11403}\right\}$

563) $11\frac{2}{5}\left(x+\frac{13}{10}\right)+\frac{3}{11}=-9\frac{1}{2}x-1\frac{3}{4}\left(\frac{9}{7}x+\frac{1}{7}\right)$ $\left\{-\frac{16877}{25465}\right\}$

564) $3\frac{2}{9}\left(\frac{37}{14}n+\frac{38}{5}\right)=6\frac{3}{4}\left(n+4\frac{1}{2}\right)$ $\left\{3\frac{1483}{4450}\right\}$

565) $-1\frac{1}{5}\left(-2p+1\frac{9}{10}\right)=-2\left(-\frac{7}{8}p+\frac{1}{2}\right)$ $\left\{1\frac{63}{65}\right\}$

566) $2\frac{7}{11}\left(\frac{21}{4}m+2\frac{7}{11}\right)=1\frac{4}{5}\left(1\frac{1}{4}m+1\frac{3}{10}\right)$ $\left\{-\frac{27893}{70125}\right\}$

567) $\frac{38}{13}\left(x+2\frac{3}{8}\right)+\frac{1}{5}x=-\frac{7}{12}+4\frac{1}{2}\left(\frac{1}{4}x+1\right)$ $\left\{-1\frac{1603}{3117}\right\}$

568) $7\frac{5}{12}\left(n-\frac{2}{3}\right)+4\frac{5}{11}\left(1\frac{1}{4}n+7\right)=1\frac{5}{6}n+\frac{1}{2}n$ $\left\{-2\frac{977}{2109}\right\}$

569) $6\frac{3}{8}\left(\frac{47}{11}b-1\frac{1}{4}\right)-1\frac{5}{6}=\frac{9}{10}\left(\frac{13}{4}b+5\frac{3}{7}\right)$ $\left\{\frac{542861}{898632}\right\}$

570) $\frac{41}{12}\left(r+5\frac{3}{7}\right)-\frac{4}{5}r=-1\frac{3}{13}\left(1\frac{5}{14}r-\frac{11}{6}\right)$ $\left\{-3\frac{18729}{23407}\right\}$

571) $\frac{1}{2}\left(4\frac{3}{10}x+\frac{11}{12}\right)+\frac{1}{2}=-3\frac{11}{12}\left(x+1\frac{1}{12}\right)$ $\left\{-\frac{535}{624}\right\}$

572) $2\left(\frac{1}{2}n+1\right)=1\frac{2}{7}n-\frac{13}{4}\left(1\frac{2}{9}n-2\right)$ $\left\{1\frac{205}{929}\right\}$

573) $\frac{4}{5}\left(3\frac{1}{13}v+1\right)=-9\frac{1}{7}\left(\frac{14}{13}v-1\frac{3}{4}\right)$ $\left\{1\frac{47}{200}\right\}$

574) $3\frac{4}{5}\left(-\frac{2}{3}a+\frac{3}{14}\right)=-3\frac{1}{6}+2\left(-\frac{3}{10}a+\frac{63}{8}\right)$ $\left\{-6\frac{71}{812}\right\}$

575) $-9\left(-1\frac{8}{9}x+2\frac{7}{12}\right)=\frac{39}{10}\left(x+5\frac{3}{14}\right)$ $\left\{3\frac{300}{917}\right\}$

576) $\frac{5}{7}\left(\frac{17}{10}x+4\frac{7}{8}\right)-\frac{27}{10}\left(3\frac{3}{5}x+4\frac{11}{12}\right)=5\frac{1}{6}x-\frac{1}{7}x$ $\left\{-\frac{20565}{28412}\right\}$

577) $7\left(a-5\frac{4}{5}\right)-\frac{1}{5}a=-2\frac{1}{3}\left(-1\frac{9}{14}a-1\frac{5}{13}\right)$ $\left\{14\frac{896}{1157}\right\}$

578) $\frac{1}{2}\left(x-\frac{28}{9}\right)+\frac{4}{5}\left(x+\frac{1}{2}\right)=-7x-\frac{8}{3}x$ $\left\{\frac{104}{987}\right\}$

579) $-3\frac{1}{2}\left(p-\frac{1}{9}\right)+1=\frac{3}{10}\left(\frac{1}{3}p+1\frac{1}{3}\right)+1\frac{2}{3}$ $\left\{-\frac{61}{324}\right\}$

580) $\frac{17}{8}\left(\frac{13}{14}k-\frac{29}{14}\right)+3\frac{3}{13}k=7\frac{3}{14}-1\frac{3}{14}\left(\frac{20}{7}k-\frac{1}{3}\right)$ $\left\{1\frac{102352}{265197}\right\}$

581) $\frac{12}{7}\left(\frac{31}{6}n+\frac{1}{2}\right)=1\frac{12}{13}\left(n+1\frac{9}{10}\right)$ $\left\{\frac{509}{1262}\right\}$

582) $-1\frac{3}{14}r+\frac{9}{8}\left(2r+\frac{4}{5}\right)=\frac{10}{13}+2\frac{11}{14}\left(2\frac{7}{12}r+1\right)$ $\left\{-\frac{9664}{22425}\right\}$

583) $7\frac{1}{6}\left(1\frac{8}{9}n+1\right)+1\frac{3}{7}=1\frac{9}{11}\left(6\frac{1}{8}n+6\frac{5}{8}\right)$ $\left\{1\frac{2182}{4991}\right\}$

584) $\frac{1}{7}\left(\frac{3}{5}x-\frac{7}{8}\right)-3\frac{1}{10}=-\left(\frac{13}{6}x+1\right)-4x$ $\left\{\frac{1869}{5252}\right\}$

585) $\frac{13}{2}m+4\frac{11}{14}+\frac{6}{13}=3\frac{1}{6}\left(-2\frac{2}{3}m-1\frac{1}{3}\right)+\frac{7}{10}\left(3\frac{9}{10}m-1\frac{6}{13}\right)$ $\left\{-\frac{859340}{1000363}\right\}$

586) $-3\frac{2}{7}\left(b+2\frac{1}{3}\right)+\frac{5}{8}=1\frac{1}{6}\left(b+\frac{1}{13}\right)$ $\left\{-1\frac{5851}{9724}\right\}$

587) $-\frac{3}{4}x-\frac{9}{5}\left(5x+4\frac{1}{6}\right)=-\left(x-1\frac{1}{4}\right)$ $\{-1\}$

588) $-7\left(n+\frac{5}{4}\right)=\frac{1}{2}\left(-1\frac{1}{2}n+2\frac{4}{11}\right)-3$ $\left\{-1\frac{6}{55}\right\}$

589) $6\frac{4}{9}\left(7\frac{1}{6}v-\frac{16}{9}\right)+6\frac{5}{6}\left(\frac{1}{12}v-\frac{3}{2}\right)=\frac{3}{2}v+1\frac{1}{2}-1\frac{1}{3}v$ $\left\{\frac{15038}{30189}\right\}$

590) $\frac{2}{5}\left(-\frac{1}{2}k-\frac{11}{4}\right)=-2\frac{13}{14}\left(1\frac{1}{3}k+1\right)$ $\left\{-\frac{192}{389}\right\}$

591) $2\frac{3}{4}\left(\frac{1}{3}a+\frac{7}{11}\right)+\frac{2}{3}=\frac{25}{6}\left(2\frac{5}{8}a+\frac{9}{4}\right)$ $\left\{-\frac{334}{481}\right\}$

592) $\frac{19}{9}\left(-4\frac{7}{13}x+\frac{10}{11}\right)=\frac{5}{6}\left(x+\frac{12}{13}\right)$ $\left\{\frac{2960}{26807}\right\}$

593) $1\frac{6}{11}\left(\frac{6}{7}x+\frac{39}{11}\right)=\frac{1}{4}\left(-3\frac{5}{6}x+\frac{3}{2}\right)$ $\left\{-2\frac{10943}{46409}\right\}$

594) $\frac{49}{9}\left(3\frac{1}{3}p+1\right)=12+5\frac{9}{10}\left(\frac{1}{8}p+1\right)$ $\left\{\frac{26904}{37607}\right\}$

595) $6\frac{2}{7}-\frac{13}{14}\left(m-1\frac{5}{9}\right)=\frac{36}{7}+3\frac{2}{3}\left(m+3\frac{1}{9}\right)$ $\left\{-1\frac{1597}{1737}\right\}$

596) $-\frac{4}{11}\left(\frac{1}{2}x+\frac{16}{5}\right)=1\frac{2}{3}\left(x+2\frac{1}{6}\right)$ $\left\{-2\frac{1067}{1830}\right\}$

597) $n+6\frac{1}{2}+\frac{29}{4}n+\frac{2}{3}=-1\frac{9}{10}\left(\frac{1}{8}n-2\frac{11}{13}\right)-2\left(\frac{81}{11}n-2\right)$ $\left\{\frac{76912}{796731}\right\}$

598) $-\frac{1}{12}\left(-2n+5\frac{7}{9}\right)+\frac{63}{8}n=1\frac{8}{9}\left(-5n+\frac{17}{3}\right)+1\frac{2}{7}n$ $\left\{\frac{16912}{24495}\right\}$

599) $-\frac{8}{3}b+\frac{5}{12}\left(\frac{5}{6}b+1\right)=4\frac{2}{5}+1\frac{5}{9}\left(\frac{3}{2}b+2\right)$ $\left\{-1\frac{879}{1675}\right\}$

600) $-1\frac{3}{7}\left(\frac{97}{14}r-\frac{1}{2}\right)+\frac{1}{8}r=\frac{1}{4}\left(r-1\frac{1}{6}\right)+\frac{3}{8}r$ $\left\{\frac{1183}{12228}\right\}$

601) $-\frac{7}{6}+15\frac{8}{35}\left(\frac{15}{23}m+\frac{8}{19}\right)=\frac{23}{22}+\frac{25}{36}\left(-\frac{6}{7}m-24\right)$ $\left\{-1\frac{10437577}{10626605}\right\}$

602) $\frac{7}{3}\left(1\frac{1}{35}x-2\right)+19\frac{29}{31}=1\frac{19}{21}\left(\frac{62}{21}x-\frac{2}{3}\right)$ $\left\{5\frac{7190}{55087}\right\}$

603) $-\frac{2}{7}\left(\frac{45}{19}n+17\frac{1}{8}\right)=14\frac{7}{19}\left(1\frac{9}{11}n+\frac{119}{9}\right)$ $\left\{-7\frac{127591}{470520}\right\}$

604) $\frac{641}{37}n+14\frac{17}{19}n=-\frac{53}{19}\left(n-\frac{37}{24}\right)+\frac{2}{7}\left(\frac{5}{9}n+\frac{164}{31}\right)$ $\left\{\frac{63836655}{382778824}\right\}$

605) $-\frac{3}{23}\left(\frac{8}{27}r+1\frac{1}{3}\right)-\frac{22}{25}r=9\frac{27}{37}+9\frac{6}{25}\left(1\frac{1}{5}r-2\right)$ $\left\{\frac{4105395}{5747432}\right\}$

606) $-\frac{13}{27}-1\frac{11}{24}\left(-\frac{69}{35}b+\frac{184}{17}\right)=15\frac{1}{27}\left(15\frac{5}{24}b+34\right)$ $\left\{-2\frac{836098}{2487559}\right\}$

607) $17\frac{6}{7}\left(\frac{555}{31}v+8\frac{1}{6}\right)=25\left(1\frac{2}{17}v-\frac{19}{20}\right)$ $\left\{-\frac{1501423}{2583120}\right\}$

608) $20\frac{23}{29}\left(x+10\frac{4}{9}\right)=\frac{1}{4}\left(2x+\frac{82}{31}\right)+2x$ $\left\{-11\frac{27486}{32891}\right\}$

609) $1\frac{2}{9}\left(n-\frac{5}{13}\right)-\frac{18}{23}n=\frac{4}{5}\left(1\frac{5}{6}n+15\frac{4}{5}\right)+12\frac{4}{5}n$ $\left\{-\frac{881981}{930215}\right\}$

610) $\frac{386}{27}\left(a+\frac{20}{27}\right)=24a-\frac{2}{19}\left(a-\frac{11}{32}\right)$ $\left\{1\frac{211693}{2127168}\right\}$

611) $-\frac{17}{18}\left(10\frac{26}{33}k+9\frac{31}{35}\right)=\frac{235}{26}\left(-1\frac{16}{17}k-\frac{5}{14}\right)$ $\left\{\frac{56131977}{67602010}\right\}$

612) $-38\left(-2\frac{8}{27}p+6\frac{5}{9}\right)=-\frac{1}{2}p+17\frac{5}{19}\left(\frac{125}{38}p+1\right)$ $\left\{8\frac{362468}{603779}\right\}$

613) $1\frac{12}{25}\left(\frac{23}{29}m-1\frac{3}{16}\right)=-\frac{34}{35}\left(\frac{473}{37}m-1\right)$ $\left\{\frac{8198793}{40836784}\right\}$

614) $38\left(16\frac{3}{14}x+15\frac{25}{26}\right)+1\frac{13}{14}x=-1\frac{2}{3}+20\frac{19}{36}\left(x+\frac{295}{16}\right)$ $\left\{-\frac{12041225}{31320848}\right\}$

615) $1\frac{1}{2}\left(-\frac{9}{10}r+1\frac{34}{35}\right)-\frac{7}{10}\left(9\frac{9}{22}r+6\frac{5}{8}\right)=30r+2\frac{4}{5}r$ $\left\{-\frac{10351}{250936}\right\}$

616) $1\frac{1}{2}\left(18\frac{21}{40}n+5\frac{11}{13}\right)+3\frac{4}{19}\left(-\frac{1}{9}n+1\frac{1}{9}\right)=\frac{7}{16}n+\frac{545}{39}-1\frac{4}{23}n-1\frac{29}{31}$ $\left\{\frac{9434140}{180842531}\right\}$

617) $\frac{475}{24}\left(x+\frac{491}{39}\right)=\frac{30}{29}\left(1\frac{13}{14}x-\frac{13}{18}\right)$ $\left\{-14\frac{29141}{676299}\right\}$

618) $18\frac{1}{30}n-\frac{2}{5}\left(1\frac{2}{3}n+\frac{1}{3}\right)=-1\frac{1}{3}\left(\frac{33}{34}n+\frac{3}{14}\right)$ $\left\{-\frac{544}{66619}\right\}$

619) $-\frac{5}{13}r-\frac{31}{17}\left(1\frac{8}{11}r+14\frac{7}{16}\right)=-\frac{38}{17}\left(15\frac{19}{26}r-\frac{1}{5}\right)$ $\left\{\frac{5207059}{6151120}\right\}$

620) $-\frac{7}{38}\left(2\frac{17}{18}x-\frac{2}{3}\right)+\frac{11}{19}\left(\frac{5}{11}x+\frac{13}{15}\right)=-\frac{34}{37}x-\frac{2}{7}x$ $\left\{-\frac{553224}{819695}\right\}$

621) $-1\frac{7}{19}\left(n-\frac{1}{20}\right)-2\frac{16}{33}=-20\left(\frac{31}{37}n+1\frac{1}{20}\right)$ $\left\{-1\frac{741263}{3569940}\right\}$

622) $8\frac{33}{34}-\left(1\frac{32}{35}b+6\frac{8}{9}\right)=9\frac{9}{17}\left(12\frac{24}{31}b+\frac{9}{2}\right)-1\frac{13}{20}b$ $\left\{-\frac{27092450}{81007011}\right\}$

623) $-\frac{5}{8}\left(1\frac{9}{20}x+\frac{10}{7}\right)-18x=-\frac{1}{2}\left(x+\frac{37}{2}\right)$ $\left\{\frac{1872}{4123}\right\}$

624) $-20+9\frac{2}{5}\left(x+5\frac{23}{26}\right)=-\frac{5}{21}+\frac{2}{15}\left(\frac{47}{10}x-1\frac{5}{18}\right)$ $\left\{-4\frac{77459}{1077804}\right\}$

625) $-2\frac{5}{13}-3\frac{28}{29}\left(-\frac{1}{4}v-1\frac{5}{6}\right)=-\frac{14}{13}v+1\frac{1}{5}\left(\frac{23}{16}v+\frac{1}{7}\right)$ $\left\{-13\frac{79531}{108717}\right\}$

626) $a-\frac{9}{5}+10\frac{4}{5}a+1\frac{25}{31}=31\left(\frac{1}{16}a-\frac{3}{2}\right)+1\frac{3}{5}\left(\frac{1}{6}a+7\frac{5}{12}\right)$ $\left\{-3\frac{43541}{71393}\right\}$

627) $9\frac{7}{13}\left(\frac{19}{24}n+1\right)+1\frac{7}{38}=-\left(37n+1\frac{1}{8}\right)$ $\left\{-\frac{70233}{264100}\right\}$

628) $\frac{269}{33}\left(p-\frac{11}{30}\right)=14\frac{5}{12}\left(\frac{261}{13}p+9\frac{7}{33}\right)+8\frac{8}{17}p$ $\left\{-\frac{19807346}{42264595}\right\}$

629) $-\frac{129}{40}k-\frac{2}{11}k=-\frac{3}{2}\left(k+\frac{646}{35}\right)+1\frac{19}{31}\left(\frac{2}{3}k-\frac{8}{11}\right)$ $\left\{9\frac{578595}{854189}\right\}$

630) $-\frac{17}{12}\left(x-\frac{31}{36}\right)+\frac{393}{22}=1\frac{2}{5}-\frac{6}{7}\left(x+\frac{3}{4}\right)$ $\left\{32\frac{70127}{93060}\right\}$

631) $\frac{488}{27}-1\frac{11}{15}\left(18\frac{7}{12}n+\frac{11}{23}\right)=11\frac{2}{3}\left(n+1\frac{5}{13}\right)$ $\left\{\frac{88096}{3542253}\right\}$

632) $\frac{69}{8}-\frac{3}{4}\left(33m+12\frac{2}{15}\right)=1\frac{2}{9}\left(\frac{305}{18}m+20\frac{18}{25}\right)$ $\left\{-\frac{417951}{736450}\right\}$

633) $\frac{31}{34}r-1\frac{4}{7}r=19\frac{9}{23}\left(1\frac{3}{13}r-\frac{817}{26}\right)+\frac{1}{3}\left(r+15\frac{8}{31}\right)$ $\left\{-1\frac{131491383}{164519945}\right\}$

634) $-\frac{1}{14}x-1\frac{17}{18}\left(6\frac{28}{39}x+9\frac{7}{10}\right)=38+17\frac{13}{20}\left(\frac{3}{4}x-2\right)$ $\left\{-\frac{4238052}{5183603}\right\}$

635) $-\frac{2}{13}n-\frac{1}{23}+16\frac{21}{32}=4\frac{13}{34}\left(-19\frac{2}{7}n+\frac{373}{34}\right)+11\frac{11}{18}\left(9\frac{5}{36}n+14\frac{11}{34}\right)$ $\left\{3\frac{21726489}{86557588}\right\}$

636) $-4\frac{7}{27}\left(v+11\frac{17}{36}\right)=\frac{14}{15}v+\frac{3}{2}\left(8\frac{5}{33}v+\frac{735}{38}\right)$ $\left\{-4\frac{594706}{1263861}\right\}$

637) $\frac{14}{15}\left(2b+1\frac{1}{3}\right)+\frac{12}{23}=\frac{31}{3}-\frac{7}{20}\left(3\frac{1}{2}b+6\frac{1}{12}\right)$ $\left\{2\frac{4217}{51198}\right\}$

638) $5\frac{4}{7}\left(-\frac{21}{20}x+\frac{8}{9}\right)+\frac{377}{18}=\frac{19}{30}\left(x+\frac{65}{4}\right)$ $\left\{2\frac{6649}{16338}\right\}$639) $1\frac{6}{19}\left(\frac{343}{18}n+7\frac{5}{23}\right)=\frac{47}{15}\left(\frac{123}{38}n+19\frac{17}{31}\right)$ $\left\{3\frac{2122089}{4551079}\right\}$

640) $-3\frac{21}{40}a+1+\frac{644}{31}a=\frac{307}{16}\left(a+\frac{77}{24}\right)+23\left(a+1\frac{2}{23}\right)$ $\left\{-3\frac{639541}{1484328}\right\}$

641) $\frac{299}{16}\left(k+\frac{9}{37}\right)+4\frac{3}{10}=\frac{18}{37}\left(k-1\frac{11}{40}\right)-2k$ $\left\{-\frac{28019}{59795}\right\}$

642) $-\frac{7}{16}\left(18\frac{17}{24}p+1\right)+\frac{31}{30}p=12\frac{27}{40}\left(\frac{9}{23}p+\frac{134}{9}\right)+2$ $\left\{-15\frac{418813}{534837}\right\}$

643) $-\frac{1}{2}\left(-8n-\frac{3}{14}\right)=\frac{75}{8}\left(n-1\frac{21}{25}\right)$ $\left\{3\frac{69}{301}\right\}$

644) $-\frac{2}{3}x+18\frac{9}{28}\left(x+\frac{537}{31}\right)=-1\frac{2}{25}\left(-33x+\frac{27}{22}\right)$ $\left\{17\frac{9274090}{12879229}\right\}$

645) $\frac{4}{29}\left(11\frac{1}{4}m-\frac{13}{37}\right)+\frac{1}{3}=15m-1\frac{13}{21}\left(-28m+14\frac{1}{6}\right)$ $\left\{\frac{784871}{1986789}\right\}$

646) $\frac{15}{16}r+14\left(r-\frac{28}{39}\right)=-\frac{17}{19}\left(r+7\frac{7}{11}\right)+\frac{485}{27}$ $\left\{1\frac{6278911}{18582993}\right\}$

647) $\frac{219}{25}-40\left(1\frac{3}{5}x-1\right)=2\frac{1}{3}x-\frac{3}{2}\left(1\frac{1}{6}x+24\frac{7}{10}\right)$ $\left\{1\frac{6368}{19375}\right\}$

648) $-2\frac{19}{26}\left(\frac{1}{7}b-\frac{8}{9}\right)=1\frac{1}{4}\left(6\frac{1}{16}b+1\right)$ $\left\{\frac{61712}{417663}\right\}$

649) $20\frac{3}{22}\left(-34n+1\frac{17}{19}\right)+14\frac{11}{16}\left(n+4\frac{4}{13}\right)=-1\frac{1}{3}n-\frac{26}{25}+6\frac{1}{24}$ $\left\{-\frac{314369966}{2115013221}\right\}$

650) $-1\frac{7}{12}\left(-1\frac{10}{17}x+1\right)=-1\frac{8}{15}\left(1\frac{1}{6}x+11\frac{19}{29}\right)$ $\left\{-3\frac{299688}{381901}\right\}$

651) $-1\frac{27}{31}v+5\frac{7}{18}\left(\frac{187}{12}v+26\frac{37}{38}\right)=6\frac{5}{39}\left(5\frac{13}{14}v+1\right)$ $\left\{-3\frac{22076163}{529947601}\right\}$

652) $1\frac{4}{39}\left(\frac{332}{35}n+1\frac{11}{36}\right)-\frac{31}{39}n=1\frac{25}{36}-22\left(\frac{132}{23}n-1\frac{20}{31}\right)$ $\left\{2\frac{24445959}{33385618}\right\}$

653) $18\frac{1}{2}+9\frac{2}{21}\left(\frac{250}{21}v+\frac{202}{15}\right)=10\frac{5}{37}\left(v-1\frac{2}{17}\right)$ $\left\{-1\frac{150257557}{272233750}\right\}$

654) $8\frac{3}{5}a-\frac{5}{6}\left(\frac{63}{34}a+3\frac{28}{37}\right)=1\frac{2}{3}a+9\frac{5}{6}\left(a+\frac{42}{11}\right)$ $\left\{-9\frac{281891}{1844931}\right\}$

655) $1\frac{1}{2}x+4\frac{1}{4}x=18\frac{8}{19}\left(\frac{3}{10}x+\frac{1}{2}\right)+18\frac{16}{25}\left(x+1\frac{25}{36}\right)$ $\left\{-2\frac{67756}{314919}\right\}$

656) $1\frac{29}{30}k-6\left(3\frac{1}{21}k+1\right)=13\frac{17}{19}\left(k+1\frac{1}{2}\right)$ $\left\{-\frac{107100}{120553}\right\}$

657) $13\frac{3}{7}\left(\frac{9}{19}x-\frac{91}{34}\right)+\frac{1}{8}x=\frac{3}{5}\left(\frac{4}{19}x+15\frac{13}{24}\right)+\frac{1}{2}x$ $\left\{7\frac{384286}{529941}\right\}$

658) $-\frac{16}{17}\left(p+\frac{2}{35}\right)=7\frac{9}{29}+\frac{177}{19}\left(p+\frac{119}{6}\right)$ $\left\{-18\frac{4918919}{6725390}\right\}$

659) $2\frac{7}{24}\left(n+8\frac{5}{33}\right)+1\frac{17}{39}=-\frac{13}{14}\left(\frac{13}{14}n-\frac{1}{4}\right)+\frac{4}{37}n$ $\left\{-6\frac{2731252}{5168631}\right\}$

660) $\frac{9}{22}\left(8\frac{2}{35}n+1\frac{11}{23}\right)=\frac{203}{12}\left(-\frac{6}{17}n-\frac{31}{22}\right)$ $\left\{-2\frac{21346393}{33479076}\right\}$

661) $\frac{216}{25}m+1+\frac{56}{33}m=13\frac{29}{30}\left(17\frac{13}{32}m+\frac{5}{6}\right)+\frac{111}{8}\left(m+15\frac{15}{28}\right)$ $\left\{-\frac{250807150}{273480333}\right\}$

662) $-29\left(x+19\frac{13}{15}\right)+3\frac{21}{26}\left(-1\frac{13}{32}x+15\frac{15}{16}\right)=18\frac{13}{14}x+\frac{63}{34}+\frac{3}{13}x-\frac{23}{18}$ $\left\{8\frac{88507478}{238423725}\right\}$

663) $\frac{287}{33}r+\frac{165}{28}\left(13\frac{37}{39}r-2\right)=\frac{23}{24}\left(r+\frac{11}{21}\right)$ $\left\{\frac{885599}{6481899}\right\}$

664) $13\frac{4}{17}\left(8\frac{1}{6}x+\frac{16}{33}\right)+\frac{116}{11}=-\frac{23}{20}\left(-\frac{13}{22}x+\frac{7}{19}\right)+20\frac{11}{20}$ $\left\{\frac{449632}{15264923}\right\}$

665) $-\frac{7}{9}\left(\frac{8}{27}b+1\right)=-\frac{32}{17}+11\frac{17}{28}\left(9\frac{7}{9}b+\frac{29}{31}\right)$ $\left\{-\frac{34973991}{407775736}\right\}$

666) $8\frac{1}{38}\left(2n+\frac{184}{21}\right)=\frac{4}{39}\left(\frac{26}{15}n+\frac{1}{3}\right)+\frac{344}{29}$ $\left\{-3\frac{24379799}{35819147}\right\}$

667) $-1\frac{13}{16}v+15\frac{14}{25}+\frac{3}{5}v+\frac{43}{24}=1\frac{2}{31}\left(28v+16\frac{1}{15}\right)+\frac{7}{9}\left(16\frac{9}{13}v+1\right)$ $\left\{-\frac{767962}{63837895}\right\}$

668) $\frac{93}{35}\left(x+\frac{17}{16}\right)-2\frac{24}{25}x=\frac{105}{22}\left(\frac{1}{5}x-1\frac{1}{7}\right)+1\frac{2}{21}x$ $\left\{3\frac{112713}{217384}\right\}$

669) $-\frac{10}{11}-\frac{13}{12}\left(n-\frac{13}{18}\right)=\frac{17}{27}\left(n+\frac{281}{24}\right)+7\frac{1}{40}n$ $\left\{-\frac{267250}{311421}\right\}$

670) $\frac{335}{16}k+17\frac{5}{21}\left(\frac{25}{26}k+7\frac{7}{30}\right)=21\left(k+16\frac{5}{6}\right)$ $\left\{13\frac{926939}{1081905}\right\}$

671) $-\frac{29}{8}\left(a+8\frac{5}{31}\right)=\frac{419}{32}\left(\frac{12}{35}a+14\frac{2}{11}\right)$ $\left\{-26\frac{205589}{387376}\right\}$

672) $14\frac{14}{27}\left(2\frac{23}{35}x+\frac{22}{27}\right)=-\frac{17}{23}\left(\frac{199}{21}x+\frac{733}{35}\right)$ $\left\{-\frac{16026389}{26749521}\right\}$

673) $7\frac{2}{5}p+\frac{23}{13}p=-7\left(-\frac{29}{37}p+\frac{17}{20}\right)+\frac{2}{11}\left(p+\frac{97}{13}\right)$ $\left\{-1\frac{115601}{370468}\right\}$

674) $\frac{3}{2}\left(\frac{8}{11}n+1\frac{9}{13}\right)-\frac{17}{25}\left(\frac{8}{9}n+7\frac{3}{8}\right)=n+\frac{2}{5}-\frac{23}{26}$ $\left\{-3\frac{116169}{132184}\right\}$

675) $\frac{5}{2}+8\frac{13}{22}\left(1\frac{3}{10}m+\frac{443}{31}\right)=14\frac{1}{6}+18\frac{1}{16}\left(1\frac{10}{33}m+1\frac{12}{23}\right)$ $\left\{6\frac{17706917}{23280163}\right\}$

676) $16\frac{3}{10}\left(-\frac{13}{16}r+1\frac{1}{9}\right)=23\left(\frac{10}{21}r-\frac{43}{11}\right)$ $\left\{4\frac{1245812}{2682867}\right\}$

677) $\frac{1}{2}+39\frac{19}{21}\left(20\frac{8}{35}x-\frac{10}{7}\right)=20\frac{23}{24}\left(4\frac{27}{31}x-27\frac{6}{23}\right)$ $\left\{-1\frac{13996378}{23486955}\right\}$

678) $-\frac{17}{9}b-\frac{34}{21}\left(b+2\frac{1}{2}\right)=6\frac{13}{20}\left(11\frac{21}{38}b+1\frac{7}{39}\right)$ $\left\{-\frac{389556}{2631707}\right\}$

679) $-\frac{29}{20}\left(3\frac{13}{20}n+\frac{49}{6}\right)=7\frac{7}{32}-2\frac{10}{13}\left(15\frac{13}{37}n-\frac{43}{16}\right)$ $\left\{\frac{30594745}{42965538}\right\}$

680) $7\frac{3}{37}\left(-16v+6\frac{25}{26}\right)=-25\left(\frac{33}{20}v-\frac{19}{20}\right)-\frac{13}{16}v$ $\left\{\frac{65532}{182741}\right\}$

681) $5\frac{5}{6}\left(x-1\frac{3}{11}\right)-\frac{5}{3}\left(20\frac{16}{39}x+\frac{7}{11}\right)=-1\frac{17}{32}x+11\frac{1}{19}x$ $\left\{-\frac{6639360}{29504123}\right\}$

682) $26\left(a+\frac{115}{16}\right)=\frac{16}{17}\left(\frac{14}{3}a-1\frac{3}{5}\right)$ $\left\{-8\frac{31657}{44080}\right\}$

683) $3\frac{23}{36}\left(n+16\frac{1}{2}\right)=5\frac{19}{33}-3\frac{1}{6}\left(\frac{2}{3}n+\frac{241}{18}\right)$ $\left\{-16\frac{11557}{13662}\right\}$

684) $\frac{197}{10}v+13\frac{1}{2}\left(28\frac{2}{23}v+\frac{7}{30}\right)=\frac{56}{3}v-\frac{1}{3}\left(\frac{11}{23}v+1\frac{26}{37}\right)$ $\left\{-\frac{8253}{844414}\right\}$

685) $\frac{375}{38}\left(\frac{37}{8}x+1\right)=\frac{43}{5}+37\left(9\frac{35}{38}x+15\frac{5}{23}\right)$ $\left\{-1\frac{8402201}{11237455}\right\}$

686) $17\frac{32}{39}\left(k+18\frac{6}{13}\right)=\frac{1}{4}\left(\frac{543}{31}k+\frac{4}{13}\right)$ $\left\{-24\frac{397428}{845039}\right\}$

687) $\frac{35}{33}\left(n-1\frac{11}{12}\right)=-\frac{7}{4}\left(1\frac{26}{33}n+\frac{14}{23}\right)$ $\left\{\frac{1259}{5451}\right\}$

688) $\frac{24}{37}\left(17\frac{17}{28}x+1\right)=-34\left(x+\frac{4}{5}\right)-\frac{35}{19}x$ $\left\{-\frac{685216}{1162905}\right\}$

689) $-\frac{19}{12}\left(m+9\frac{22}{31}\right)=-\frac{7}{11}\left(\frac{2}{3}m+\frac{27}{32}\right)$ $\left\{-12\frac{30367}{37944}\right\}$

690) $18\frac{1}{30}x+\frac{26}{5}\left(x+\frac{17}{9}\right)=\frac{1}{28}\left(\frac{4}{7}x+1\right)$ $\left\{-\frac{86317}{204738}\right\}$

691) $-1\frac{9}{17}p+9\frac{1}{6}p=3\frac{3}{10}\left(\frac{75}{19}p+12\frac{3}{8}\right)-29\frac{11}{28}\left(11\frac{3}{7}p+\frac{5}{21}\right)$ $\left\{\frac{128537527}{1255508960}\right\}$

692) $\frac{527}{32}\left(\frac{340}{37}n+1\right)=-1\frac{3}{11}n+7\frac{2}{17}\left(\frac{8}{23}n-\frac{68}{37}\right)$ $\left\{-\frac{150479087}{764527164}\right\}$

693) $-\frac{24}{11}r+1\frac{21}{31}\left(11\frac{1}{35}r+1\right)=13\frac{12}{25}\left(29r-1\frac{20}{27}\right)$ $\left\{\frac{40510393}{603568557}\right\}$

694) $\frac{649}{32}x-\frac{5}{23}x=-\frac{16}{29}\left(-\frac{16}{9}x+1\right)-\frac{2}{3}\left(x+\frac{257}{18}\right)$ $\left\{-\frac{1160672}{2276301}\right\}$

695) $1\frac{12}{13}\left(\frac{275}{39}x-1\frac{11}{31}\right)=\frac{95}{6}\left(x+17\frac{13}{15}\right)$ $\left\{-125\frac{127063}{214365}\right\}$

696) $-1\frac{16}{27}\left(n+7\frac{1}{2}\right)=1\frac{1}{9}-3\frac{1}{13}\left(-\frac{19}{26}n+7\frac{13}{16}\right)$ $\left\{2\frac{15061}{17527}\right\}$

697) $2\frac{6}{17}\left(b-\frac{11}{7}\right)-28\left(-\frac{1}{3}b-\frac{1}{13}\right)=-\frac{5}{12}b-1\frac{5}{36}b$ $\left\{\frac{10746}{92183}\right\}$

698) $\frac{1}{18}\left(18\frac{7}{23}v+1\frac{5}{7}\right)+\frac{14}{23}v=\frac{10}{33}\left(6\frac{5}{12}v+\frac{112}{9}\right)$ $\left\{-11\frac{4030}{7623}\right\}$

699) $-1\frac{4}{7}\left(x+13\frac{11}{30}\right)=-39x-\frac{1}{2}\left(7\frac{21}{40}x+1\right)$ $\left\{\frac{34448}{69201}\right\}$

700) $-\frac{3}{8}-\frac{8}{29}\left(-\frac{31}{18}a-\frac{1}{2}\right)=-\frac{22}{39}\left(1\frac{8}{9}a+17\frac{8}{27}\right)-\frac{27}{31}$ $\left\{-6\frac{8686787}{11667408}\right\}$