



Solve each equation.

$$1) -\frac{6747}{946} = -\frac{3}{11}m$$

$$2) \frac{49}{3}x = -\frac{490}{33}$$

$$3) -35\frac{215}{221} = 27\frac{19}{68}n$$

$$4) -34\frac{53}{91} = -\frac{15}{7}r$$

$$5) \frac{17}{9}v = -5\frac{637}{828}$$

$$6) 25\frac{83}{87}b = -51\frac{56}{1305}$$

$$7) \frac{13}{11}x = 1\frac{32}{33}$$

$$8) -\frac{22}{41}n = -\frac{9350}{1599}$$

$$9) -\frac{33267}{448} = 39\frac{63}{64}a$$

$$10) 23\frac{11}{82}v = 631\frac{3515}{4059}$$

$$11) 21\frac{1}{2}x = 10\frac{2}{17}$$

$$12) \frac{2}{3}x = \frac{56}{81}$$

$$13) 21\frac{49}{177} = \frac{56}{59}k$$

$$14) -6\frac{173}{312} = 5\frac{19}{78}p$$

15)  $-21\frac{31}{34} = -\frac{5}{9}n$

16)  $\frac{97x}{333} = \frac{2231}{5661}$

17)  $-\frac{31833}{4675} = 7\frac{8}{55}r$

18)  $\frac{960}{931} = \frac{16}{19}n$

19)  $4535\frac{55}{73} = 50\frac{29}{73}x$

20)  $-\frac{3}{2}m = -2\frac{1}{28}$

21)  $\frac{12b}{337} = -\frac{24}{337}$

22)  $\frac{92n}{3643} = \frac{1748}{156649}$

23)  $-\frac{80}{49}x = \frac{652}{245}$

24)  $163\frac{3}{19} = -\frac{31}{19}v$

25)  $\frac{99}{920} = -\frac{9}{23}x$

26)  $\frac{319}{16425} = \frac{88a}{3285}$

27)  $\frac{420}{179} = \frac{7k}{179}$

28)  $-\frac{27}{14}p = -53\frac{92}{119}$

29)  $-\frac{6}{5}x = -\frac{9768}{475}$

30)  $9\frac{23}{80} = 11\frac{39}{64}n$

1)  $\left\{26\frac{13}{86}\right\}$

5)  $\left\{-3\frac{5}{92}\right\}$

9)  $\left\{-1\frac{6}{7}\right\}$

13)  $\left\{22\frac{5}{12}\right\}$

17)  $\left\{-\frac{81}{85}\right\}$

21)  $\{-2\}$

25)  $\left\{-\frac{11}{40}\right\}$

29)  $\left\{17\frac{13}{95}\right\}$

2)  $\left\{-\frac{10}{11}\right\}$

6)  $\left\{-1\frac{29}{30}\right\}$

10)  $\left\{27\frac{31}{99}\right\}$

14)  $\left\{-1\frac{1}{4}\right\}$

18)  $\left\{1\frac{11}{49}\right\}$

22)  $\left\{\frac{19}{43}\right\}$

26)  $\left\{\frac{29}{40}\right\}$

30)  $\left\{\frac{4}{5}\right\}$

3)  $\left\{-1\frac{29}{91}\right\}$

7)  $\left\{1\frac{2}{3}\right\}$

11)  $\left\{\frac{8}{17}\right\}$

15)  $\left\{39\frac{15}{34}\right\}$

19)  $\{90\}$

23)  $\left\{-1\frac{63}{100}\right\}$

27)  $\{60\}$

4)  $\left\{16\frac{9}{65}\right\}$

8)  $\left\{10\frac{35}{39}\right\}$

12)  $\left\{1\frac{1}{27}\right\}$

16)  $\left\{1\frac{6}{17}\right\}$

20)  $\left\{1\frac{5}{14}\right\}$

24)  $\{-100\}$

28)  $\left\{27\frac{15}{17}\right\}$