

Find the distance between this fraction points:

1) $\left(1, 4\frac{3}{4}\right), \left(5\frac{2}{3}, 1\right)$

2) $\left(-\frac{8}{7}, 4\frac{7}{11}\right), \left(-\frac{1}{3}, 1\right)$

3) $\left(-\frac{3}{5}, 5\frac{5}{9}\right), \left(-1, -\frac{13}{14}\right)$

4) $\left(\frac{3}{2}, 0\right), \left(7\frac{2}{3}, 6\frac{1}{2}\right)$

5) $\left(\frac{7}{6}, 6\frac{2}{7}\right), \left(-\frac{5}{13}, 6\frac{1}{4}\right)$

6) $\left(2, \frac{3}{5}\right), \left(7\frac{1}{6}, -\frac{7}{5}\right)$

7) $\left(2, -\frac{15}{13}\right), \left(5\frac{13}{14}, -\frac{1}{5}\right)$

8) $\left(-\frac{7}{9}, 7\frac{3}{13}\right), \left(5\frac{3}{5}, 3\frac{6}{7}\right)$

9) $\left(-\frac{1}{2}, -\frac{3}{4}\right), \left(0, -\frac{3}{2}\right)$

10) $\left(6, 5\frac{5}{6}\right), \left(\frac{3}{2}, \frac{9}{5}\right)$

11) $\left(-\frac{10}{9}, -\frac{11}{6}\right), \left(7\frac{1}{12}, \frac{11}{10}\right)$

12) $\left(\frac{2}{3}, 2\right), \left(\frac{3}{4}, -3\frac{1}{2}\right)$

13) $\left(-3\frac{2}{5}, 1\frac{7}{8}\right), \left(-1\frac{1}{5}, \frac{2}{3}\right)$

14) $\left(7\frac{11}{12}, -3\frac{1}{2}\right), \left(\frac{2}{3}, -\frac{1}{3}\right)$

15) $\left(-2\frac{9}{14}, -6\right), \left(\frac{1}{5}, \frac{8}{9}\right)$

16) $\left(2\frac{5}{8}, \frac{5}{4}\right), \left(1, -1\frac{2}{3}\right)$

17) $\left(7\frac{7}{11}, -\frac{17}{11}\right), \left(1\frac{9}{13}, -3\frac{11}{13}\right)$

18) $\left(7\frac{3}{5}, -2\frac{3}{5}\right), \left(10, 2\frac{1}{4}\right)$

19) $\left(7\frac{2}{7}, -2\frac{3}{7}\right), \left(\frac{8}{9}, \frac{3}{10}\right)$

20) $\left(1\frac{3}{14}, -10\right), \left(-\frac{2}{3}, 5\frac{1}{2}\right)$

21) $\left(\frac{7}{8}, 4\frac{1}{3}\right), \left(-2\frac{2}{7}, -2\frac{3}{10}\right)$

22) $\left(\frac{3}{10}, \frac{1}{4}\right), \left(-1, 2\frac{5}{9}\right)$

23) $\left(6\frac{3}{5}, \frac{3}{10}\right), \left(5\frac{5}{6}, -\frac{22}{13}\right)$

24) $\left(-1\frac{9}{14}, -1\frac{1}{3}\right), \left(-\frac{3}{8}, 2\frac{9}{14}\right)$

25) $\left(6\frac{5}{7}, -\frac{1}{4}\right), \left(-1, \frac{3}{13}\right)$

26) $\left(5\frac{1}{3}, \frac{1}{12}\right), \left(-1\frac{1}{6}, -13\right)$

27) $\left(6\frac{7}{10}, -2\frac{2}{13}\right), \left(2\frac{2}{5}, \frac{13}{14}\right)$

28) $\left(6\frac{1}{12}, 13\right), \left(\frac{11}{14}, 8\right)$

29) $\left(-\frac{2}{7}, -\frac{3}{5}\right), \left(-2\frac{1}{2}, 3\frac{4}{9}\right)$

30) $\left(-\frac{5}{9}, 4\frac{1}{2}\right), \left(\frac{20}{11}, \frac{3}{5}\right)$

Find the distance between this fraction points:

$$1) \left(1, 4\frac{3}{4}\right), \left(5\frac{2}{3}, 1\right) \frac{\sqrt{5161}}{12}$$

$$2) \left(-\frac{8}{7}, 4\frac{7}{11}\right), \left(-\frac{1}{3}, 1\right) \frac{\sqrt{740569}}{231}$$

$$3) \left(-\frac{3}{5}, 5\frac{5}{9}\right), \left(-1, -\frac{13}{14}\right) \frac{17\sqrt{57961}}{630}$$

$$4) \left(\frac{3}{2}, 0\right), \left(7\frac{2}{3}, 6\frac{1}{2}\right) \frac{17\sqrt{10}}{6}$$

$$5) \left(\frac{7}{6}, 6\frac{2}{7}\right), \left(-\frac{5}{13}, 6\frac{1}{4}\right) \frac{\sqrt{2871157}}{1092}$$

$$6) \left(2, \frac{3}{5}\right), \left(7\frac{1}{6}, -\frac{7}{5}\right) \frac{\sqrt{1105}}{6}$$

$$7) \left(2, -\frac{15}{13}\right), \left(5\frac{13}{14}, -\frac{1}{5}\right) \frac{\sqrt{13534049}}{910}$$

$$8) \left(-\frac{7}{9}, 7\frac{3}{13}\right), \left(5\frac{3}{5}, 3\frac{6}{7}\right) \frac{\sqrt{872951914}}{4095}$$

$$9) \left(-\frac{1}{2}, -\frac{3}{4}\right), \left(0, -\frac{3}{2}\right) \frac{\sqrt{13}}{4}$$

$$10) \left(6, 5\frac{5}{6}\right), \left(\frac{3}{2}, \frac{9}{5}\right) \frac{\sqrt{32866}}{30}$$

$$11) \left(-\frac{10}{9}, -\frac{11}{6}\right), \left(7\frac{1}{12}, \frac{11}{10}\right) \frac{\sqrt{2454409}}{180}$$

$$12) \left(\frac{2}{3}, 2\right), \left(\frac{3}{4}, -3\frac{1}{2}\right) \frac{\sqrt{4357}}{12}$$

$$13) \left(-3\frac{2}{5}, 1\frac{7}{8}\right), \left(-1\frac{1}{5}, \frac{2}{3}\right) \frac{\sqrt{90721}}{120}$$

$$14) \left(7\frac{11}{12}, -3\frac{1}{2}\right), \left(\frac{2}{3}, -\frac{1}{3}\right) \frac{\sqrt{9013}}{12}$$

$$15) \left(-2\frac{9}{14}, -6\right), \left(\frac{1}{5}, \frac{8}{9}\right) \frac{\sqrt{22043281}}{630}$$

$$16) \left(2\frac{5}{8}, \frac{5}{4}\right), \left(1, -1\frac{2}{3}\right) \frac{\sqrt{6421}}{24}$$

$$17) \left(7\frac{7}{11}, -\frac{17}{11}\right), \left(1\frac{9}{13}, -3\frac{11}{13}\right) \frac{\sqrt{830741}}{143}$$

$$18) \left(7\frac{3}{5}, -2\frac{3}{5}\right), \left(10, 2\frac{1}{4}\right) \frac{\sqrt{11713}}{20}$$

$$19) \left(7\frac{2}{7}, -2\frac{3}{7}\right), \left(\frac{8}{9}, \frac{3}{10}\right) \frac{\sqrt{19195861}}{630}$$

$$20) \left(1\frac{3}{14}, -10\right), \left(-\frac{2}{3}, 5\frac{1}{2}\right) \frac{\sqrt{430042}}{42}$$

$$21) \left(\frac{7}{8}, 4\frac{1}{3}\right), \left(-2\frac{2}{7}, -2\frac{3}{10}\right) \frac{\sqrt{38096209}}{840}$$

$$22) \left(\frac{3}{10}, \frac{1}{4}\right), \left(-1, 2\frac{5}{9}\right) \frac{61\sqrt{61}}{180}$$

$$23) \left(6\frac{3}{5}, \frac{3}{10}\right), \left(5\frac{5}{6}, -\frac{22}{13}\right) \frac{\sqrt{693130}}{390}$$

$$24) \left(-1\frac{9}{14}, -1\frac{1}{3}\right), \left(-\frac{3}{8}, 2\frac{9}{14}\right) \frac{\sqrt{491593}}{168}$$

$$25) \left(6\frac{5}{7}, -\frac{1}{4}\right), \left(-1, \frac{3}{13}\right) \frac{\sqrt{7915489}}{364}$$

$$26) \left(5\frac{1}{3}, \frac{1}{12}\right), \left(-1\frac{1}{6}, -13\right) \frac{\sqrt{30733}}{12}$$

$$27) \left(6\frac{7}{10}, -2\frac{2}{13}\right), \left(2\frac{2}{5}, \frac{13}{14}\right) \frac{\sqrt{23179594}}{910}$$

$$28) \left(6\frac{1}{12}, 13\right), \left(\frac{11}{14}, 8\right) \frac{5\sqrt{14977}}{84}$$

$$29) \left(-\frac{2}{7}, -\frac{3}{5}\right), \left(-2\frac{1}{2}, 3\frac{4}{9}\right) \frac{\sqrt{8438329}}{630}$$

$$30) \left(-\frac{5}{9}, 4\frac{1}{2}\right), \left(\frac{20}{11}, \frac{3}{5}\right) \frac{\sqrt{20429821}}{990}$$