



Two-step equations - fractions

Solve each equation.

$$1) -9\frac{59}{95} = -1 - 3\frac{9}{10}p$$

$$2) -\frac{1}{8} - 2n = -2\frac{61}{104}$$

$$3) -22\frac{5}{18} = -\frac{1}{2} - 3\frac{1}{2}k$$

$$4) 3\frac{89}{96} = 1\frac{1}{6}x + 2\frac{1}{4}$$

$$5) 6\frac{3}{17} = 3 + 2x$$

$$6) -2 + 2\frac{1}{3}m = -4\frac{11}{12}$$

$$7) 15\frac{71}{1260} = 1\frac{7}{9} + \frac{13}{7}r$$

$$8) 3\frac{2}{25} = -\frac{4}{5}n + \frac{9}{5}$$

$$9) \frac{1}{5} + 1\frac{7}{10}r = -2\frac{7}{20}$$

$$10) 4\frac{1}{9} - 2x = -14\frac{53}{171}$$

$$11) -\frac{41}{150} = 3\frac{9}{10}b - 1\frac{5}{6}$$

$$12) \frac{4}{5} + 2\frac{1}{4}n = -1\frac{279}{320}$$

$$13) -1\frac{1}{15} = -1\frac{1}{6}x - 2$$

$$14) -5\frac{27}{32} = -\frac{3}{8}v - 3\frac{1}{2}$$

$$15) -28\frac{2}{5} = 2\frac{1}{10} - 3a$$

$$16) 1\frac{5}{7} - 6x = -52\frac{76}{119}$$

$$17) \frac{4}{3} - 1\frac{3}{8}k = -4\frac{43}{60}$$

$$18) 1\frac{11}{70} = \frac{4}{5} - \frac{1}{2}n$$

$$19) 4\frac{1}{3} - 2\frac{1}{6}p = 8\frac{2}{3}$$

$$20) 3\frac{11}{12} = \frac{3}{4}x + 3\frac{1}{2}$$

$$21) -1 - \frac{3}{4}n = -3\frac{2}{3}$$

$$22) -1\frac{1}{8}m + 3\frac{8}{9} = 3\frac{47}{144}$$

$$23) \frac{1}{4} + \frac{3}{2}r = 6\frac{3}{4}$$

$$24) \frac{1}{8}n + \frac{1}{4} = \frac{3}{80}$$

$$25) \frac{1}{7}b + \frac{1}{2} = 1\frac{1}{98}$$

$$26) 7\frac{28}{65} = -3x + 4\frac{1}{5}$$

$$27) 5\frac{8}{25} = \frac{9}{5}v + 2\frac{4}{5}$$

$$28) \frac{3}{2}a - 7 = 4\frac{1}{3}$$

$$29) -7\frac{95}{168} = 5\frac{2}{3} + 4\frac{3}{4}x$$

$$30) -2\frac{103}{198} = -2\frac{1}{9}n + \frac{1}{6}$$

Answers to Two-step equations - fractions

1) $\left\{2\frac{4}{19}\right\}$

2) $\left\{1\frac{3}{13}\right\}$

3) $\left\{6\frac{2}{9}\right\}$

4) $\left\{1\frac{7}{16}\right\}$

5) $\left\{1\frac{10}{17}\right\}$

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

7) $\left\{7\frac{3}{20}\right\}$

8) $\left\{-1\frac{3}{5}\right\}$

9) $\left\{-1\frac{1}{2}\right\}$

10) $\left\{9\frac{4}{19}\right\}$

11) $\left\{\frac{2}{5}\right\}$

12) $\left\{-1\frac{3}{16}\right\}$

13) $\left\{-\frac{4}{5}\right\}$

14) $\left\{6\frac{1}{4}\right\}$

15) $\left\{10\frac{1}{6}\right\}$

16) $\left\{9\frac{1}{17}\right\}$

17) $\left\{4\frac{2}{5}\right\}$

18) $\left\{-\frac{5}{7}\right\}$

19) $\{-2\}$

20) $\left\{\frac{5}{9}\right\}$

21) $\left\{3\frac{5}{9}\right\}$

22) $\left\{\frac{1}{2}\right\}$

23) $\left\{4\frac{1}{3}\right\}$

24) $\left\{-1\frac{7}{10}\right\}$

25) $\left\{3\frac{4}{7}\right\}$

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

27) $\left\{1\frac{2}{5}\right\}$

28) $\left\{7\frac{5}{9}\right\}$

29) $\left\{-2\frac{11}{14}\right\}$

30) $\left\{1\frac{3}{11}\right\}$