



Two-step equations - fractions

Solve each equation.

$$1) -3\frac{3}{4}v - 2 = 3\frac{5}{8}$$

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

$$3) \frac{7}{5}x - 3\frac{1}{3} = -1\frac{119}{150}$$

$$4) -\frac{3}{4}n + 1\frac{2}{5} = 3\frac{21}{40}$$

$$5) -2\frac{1}{5} + 2\frac{1}{4}x = \frac{97}{140}$$

$$6) -2\frac{3}{4} - 3\frac{1}{2}a = -9\frac{1}{20}$$

$$7) -2\frac{1}{3}k - 3\frac{1}{3} = -2\frac{1}{6}$$

$$8) \frac{6}{5} + \frac{1}{2}p = 3\frac{19}{20}$$

$$9) -2n - 2\frac{1}{2} = -8\frac{5}{6}$$

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

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

$$12) -\frac{3}{5}x + \frac{1}{5} = -1\frac{14}{15}$$

$$13) -3\frac{1}{4} - 1\frac{3}{4}r = -4\frac{5}{12}$$

$$14) \frac{3}{2}n - \frac{2}{3} = \frac{13}{48}$$

$$15) \frac{3}{2}b - 3\frac{1}{2} = -1\frac{3}{4}$$

$$16) -1\frac{3}{5} + 2\frac{1}{2}v = -2\frac{9}{40}$$

$$17) -a - 1\frac{1}{2} = \frac{1}{2}$$

$$18) -1\frac{2}{3} - n = -1\frac{5}{9}$$

$$19) 1\frac{1}{2}x + 1\frac{1}{2} = 8\frac{1}{4}$$

$$20) \frac{4}{3}k + 2\frac{1}{2} = -2\frac{5}{6}$$

$$21) 2 + \frac{9}{5}x = -1\frac{3}{5}$$

$$22) -\frac{5}{4}x + 2 = 6\frac{1}{8}$$

$$23) \frac{3}{4}p - 1 = -1$$

$$24) -1\frac{3}{4} + 1\frac{1}{3}n = -\frac{61}{108}$$

$$25) -m + \frac{1}{3} = -\frac{1}{2}$$

$$26) 2\frac{1}{5}x + 1\frac{2}{3} = 4\frac{29}{30}$$

$$27) -\frac{3}{2}b - 1\frac{3}{4} = -\frac{1}{28}$$

$$28) 2 - \frac{4}{3}n = -5\frac{13}{15}$$

$$29) 2\frac{2}{3}r - \frac{3}{2} = -4\frac{7}{10}$$

$$30) -3\frac{1}{3}x - \frac{2}{5} = -33\frac{11}{15}$$

Answers to Two-step equations - fractions

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

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

3) $\left\{1\frac{1}{10}\right\}$

4) $\left\{-2\frac{5}{6}\right\}$

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

6) $\left\{1\frac{4}{5}\right\}$

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

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

9) $\left\{3\frac{1}{6}\right\}$

10) $\{5\}$

11) $\{-2\}$

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

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

14) $\left\{\frac{5}{8}\right\}$

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

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

17) $\{-2\}$

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

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

20) $\{-4\}$

21) $\{-2\}$

22) $\left\{-3\frac{3}{10}\right\}$

23) $\{0\}$

24) $\left\{\frac{8}{9}\right\}$

25) $\left\{\frac{5}{6}\right\}$

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

27) $\left\{-1\frac{1}{7}\right\}$

28) $\left\{5\frac{9}{10}\right\}$

29) $\left\{-1\frac{1}{5}\right\}$

30) $\{10\}$