



Two-step equations - fractions

Solve each equation.

$$1) -2n + \frac{9}{8} = -5\frac{11}{40}$$

$$2) -\frac{3}{4} - 5x = -34\frac{19}{28}$$

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

$$4) 4\frac{1}{2} + 2\frac{2}{5}a = 23\frac{2}{5}$$

$$5) \frac{6}{5} - 3\frac{1}{2}a = -1\frac{99}{130}$$

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

$$7) -\frac{7}{4} + 4\frac{1}{2}k = -19\frac{3}{16}$$

$$8) \frac{11}{6}p - \frac{5}{4} = -3\frac{1}{12}$$

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

$$10) 4\frac{7}{8} + 5\frac{5}{6}x = 17\frac{3}{8}$$

$$11) 3\frac{1}{5} + 1\frac{3}{8}m = -9\frac{7}{40}$$

$$12) \frac{3}{8} - 1\frac{3}{7}r = -23\frac{3}{8}$$

$$13) -\frac{1}{8} + \frac{5}{8}x = -\frac{3}{44}$$

$$14) -2n - 1\frac{1}{2} = -15\frac{1}{6}$$

$$15) \frac{4}{3} - 2\frac{1}{5}x = -9\frac{29}{60}$$

$$16) -3\frac{3}{5} - \frac{2}{3}x = -4\frac{13}{30}$$

$$17) \frac{3}{2}k + 2\frac{3}{4} = 5\frac{3}{4}$$

$$18) 2 - \frac{3}{2}n = -8\frac{2}{5}$$

$$19) 1\frac{1}{4}n + 2 = 7\frac{15}{16}$$

$$20) \frac{5}{8}p + \frac{5}{6} = 3\frac{11}{48}$$

$$21) -1\frac{4}{5} - \frac{8}{5}m = -2\frac{3}{25}$$

$$22) 3\frac{3}{8} + 4\frac{5}{7}x = 12\frac{45}{56}$$

$$23) \frac{2}{3}r + 4\frac{1}{2} = 4\frac{3}{10}$$

$$24) -\frac{1}{6} + \frac{11}{6}x = 10\frac{9}{13}$$

$$25) \frac{3}{8}n + \frac{3}{4} = \frac{7}{8}$$

$$26) -8\frac{4}{5} + 1\frac{5}{6}b = 1\frac{89}{120}$$

$$27) \frac{4}{5}v - \frac{5}{4} = -2\frac{79}{140}$$

$$28) -\frac{3}{5} - 2x = 2\frac{11}{15}$$

$$29) 6\frac{1}{3}n + \frac{3}{5} = 22\frac{7}{195}$$

$$30) -1\frac{2}{7} - 3\frac{1}{8}a = -7\frac{65}{448}$$

Answers to Two-step equations - fractions

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

2) $\left\{6\frac{11}{14}\right\}$

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

4) $\left\{7\frac{7}{8}\right\}$

5) $\left\{\frac{11}{13}\right\}$

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

7) $\left\{-3\frac{7}{8}\right\}$

8) $\{-1\}$

9) $\{-1\}$

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

11) $\{-9\}$

12) $\left\{16\frac{5}{8}\right\}$

13) $\left\{\frac{1}{11}\right\}$

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

15) $\left\{4\frac{11}{12}\right\}$

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

17) $\{2\}$

18) $\left\{6\frac{14}{15}\right\}$

19) $\left\{4\frac{3}{4}\right\}$

20) $\left\{3\frac{5}{6}\right\}$

21) $\left\{\frac{1}{5}\right\}$

22) $\{2\}$

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

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

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

26) $\left\{5\frac{3}{4}\right\}$

27) $\left\{-1\frac{9}{14}\right\}$

28) $\left\{-1\frac{2}{3}\right\}$

29) $\left\{3\frac{5}{13}\right\}$

30) $\left\{1\frac{7}{8}\right\}$