

Two-step equations - fractions

Solve each equation.

$$1) -3\frac{3}{8}x + 6\frac{1}{10} = 141\frac{1}{10}$$

$$2) -3\frac{13}{15}p + 4\frac{11}{20} = -29\frac{11}{380}$$

$$3) 1\frac{7}{9}k - \frac{3}{2} = -2\frac{95}{162}$$

$$4) -\frac{7}{5}n - \frac{1}{10} = -13\frac{19}{30}$$

$$5) \frac{2}{15} - 1\frac{3}{4}m = 1\frac{41}{60}$$

$$6) \frac{1}{2}r + 7\frac{8}{19} = 7\frac{37}{133}$$

$$7) -\frac{13}{10}x - \frac{15}{16} = -14\frac{1529}{2160}$$

$$8) -2\frac{5}{12} + 1\frac{7}{12}n = -2\frac{1}{3}$$

$$9) -\frac{26}{19}b - \frac{11}{18} = -27\frac{311}{855}$$

$$10) 10\frac{7}{9}v - 3\frac{13}{14} = -15\frac{457}{756}$$

$$11) 10\frac{1}{9} + 9\frac{1}{4}x = 165\frac{7}{144}$$

$$12) 5\frac{5}{7} + 8\frac{8}{17}n = 181\frac{1}{119}$$

$$13) \frac{11}{13} - \frac{17}{9}a = -72\frac{32}{39}$$

$$14) -\frac{1}{2}v + 10\frac{4}{17} = 9\frac{25}{34}$$

$$15) 6\frac{6}{17}x - \frac{17}{20} = -20\frac{1223}{2380}$$

$$16) -\frac{1}{2}x - \frac{1}{2} = -1\frac{6}{13}$$

$$17) \frac{5}{19}n + 6\frac{9}{10} = 7\frac{3}{2470}$$

$$18) 8\frac{17}{18}k - \frac{1}{3} = -7\frac{85}{108}$$

$$19) 2\frac{3}{7} - \frac{9}{8}p = -6\frac{25}{1036}$$

$$20) -1 + 6\frac{3}{8}x = 4\frac{13}{232}$$

$$21) 10\frac{1}{9} - 2\frac{4}{7}n = 15\frac{16}{63}$$

$$22) -3\frac{7}{16} + 19r = 15\frac{9}{16}$$

$$23) \frac{2}{5}x + \frac{7}{20} = 15\frac{3}{20}$$

$$24) 4\frac{8}{13}m - \frac{2}{13} = 44\frac{76}{143}$$

$$25) -2\frac{1}{2}n + \frac{8}{5} = -\frac{9}{10}$$

$$26) -2\frac{4}{9}b + 6\frac{3}{19} = -22\frac{56}{57}$$

$$27) -4n - \frac{1}{2} = -81\frac{41}{46}$$

$$28) 4\frac{8}{11} - 1\frac{3}{17}x = 4\frac{1576}{5797}$$

$$29) 4\frac{3}{13} - 3\frac{4}{15}a = 9\frac{79}{117}$$

$$30) \frac{19}{14}v - 1\frac{8}{11} = 18\frac{2701}{4620}$$

Answers to Two-step equations - fractions

1) $\{-40\}$

2) $\left\{8\frac{13}{19}\right\}$

3) $\left\{-\frac{11}{18}\right\}$

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

5) $\left\{-\frac{31}{35}\right\}$

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

7) $\left\{10\frac{16}{27}\right\}$

8) $\left\{\frac{1}{19}\right\}$

9) $\left\{19\frac{11}{20}\right\}$

10) $\left\{-1\frac{1}{12}\right\}$

11) $\left\{16\frac{3}{4}\right\}$

12) $\left\{20\frac{25}{36}\right\}$

13) $\{39\}$

14) $\{1\}$

15) $\left\{-3\frac{2}{21}\right\}$

16) $\left\{1\frac{12}{13}\right\}$

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

18) $\left\{-\frac{5}{6}\right\}$

19) $\left\{7\frac{19}{37}\right\}$

20) $\left\{\frac{23}{29}\right\}$

21) $\{-2\}$

22) $\{1\}$

23) $\{37\}$

24) $\left\{9\frac{15}{22}\right\}$

25) $\{1\}$

26) $\left\{11\frac{35}{38}\right\}$

27) $\left\{20\frac{8}{23}\right\}$

28) $\left\{\frac{12}{31}\right\}$

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

30) $\left\{14\frac{29}{30}\right\}$