

Unit 0.7 Examples of 1 step equation using multiple and divide with fractions

Solve each equation. Must show all work to get credit.

1) $\frac{3}{2}x = 2$

2) $-7 = -\frac{7}{2}r$

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

4) $\frac{13}{5} = \frac{1}{2}b$

5) $-\frac{5}{7}a = -\frac{8}{7}$

6) $0 = \frac{5b}{18}$

7) $\frac{3}{5} = \frac{2k}{5}$

8) $\frac{5}{3} = -\frac{1}{3}k$

9) $-\frac{7}{10} = \frac{2a}{5}$

10) $-\frac{4}{5} = -\frac{16}{5}a$

11) $\frac{3x}{4} = -\frac{5}{4}$

12) $-\frac{3}{5} = \frac{3}{5}n$

$$13) \frac{72}{25} = -\frac{8}{5}r$$

$$14) \frac{15}{8} = \frac{3}{4}x$$

$$15) -\frac{5}{32} = \frac{5v}{16}$$

$$16) \frac{2x}{7} = \frac{24}{35}$$

$$17) \frac{1}{5} = \frac{2n}{5}$$

$$18) 3x = -6$$

$$19) -\frac{11}{4}k = -\frac{33}{8}$$

$$20) \frac{4}{5}p = \frac{1}{5}$$

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

$$22) \frac{3n}{5} = \frac{6}{5}$$

$$23) \frac{11}{5} = \frac{4m}{5}$$

$$24) 2p = \frac{11}{2}$$

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Solve each equation. Must show all work to get credit.

1) $\frac{3}{2}x = 2$

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

2) $-7 = -\frac{7}{2}r$

$\{2\}$

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

$\left\{-\frac{5}{3}\right\}$

4) $\frac{13}{5} = \frac{1}{2}b$

$\left\{\frac{26}{5}\right\}$

5) $-\frac{5}{7}a = -\frac{8}{7}$

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

6) $0 = \frac{5b}{18}$

$\{0\}$

7) $\frac{3}{5} = \frac{2k}{5}$

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

8) $\frac{5}{3} = -\frac{1}{3}k$

$\{-5\}$

9) $-\frac{7}{10} = \frac{2a}{5}$

$\left\{-\frac{7}{4}\right\}$

10) $-\frac{4}{5} = -\frac{16}{5}a$

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

11) $\frac{3x}{4} = -\frac{5}{4}$

$\left\{-\frac{5}{3}\right\}$

12) $-\frac{3}{5} = \frac{3}{5}n$

$\{-1\}$

13) $\frac{72}{25} = -\frac{8}{5}r$

$\left\{-\frac{9}{5}\right\}$

14) $\frac{15}{8} = \frac{3}{4}x$

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

15) $-\frac{5}{32} = \frac{5v}{16}$

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

16) $\frac{2x}{7} = \frac{24}{35}$

$\left\{\frac{12}{5}\right\}$

17) $\frac{1}{5} = \frac{2n}{5}$

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

18) $3x = -6$

$\{-2\}$

19) $-\frac{11}{4}k = -\frac{33}{8}$

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

20) $\frac{4}{5}p = \frac{1}{5}$

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

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

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

22) $\frac{3n}{5} = \frac{6}{5}$

$\{2\}$

23) $\frac{11}{5} = \frac{4m}{5}$

$\left\{\frac{11}{4}\right\}$

24) $2p = \frac{11}{2}$

$\left\{\frac{11}{4}\right\}$