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One-Step Equations: Fractions

Mul/Div Level 1: S3

Solve each equation.

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

2) $\frac{2}{9}r = -\frac{3}{8}$

3) $\frac{9}{\left(\frac{5}{4}\right)} = \frac{9}{4}$

5) $\frac{5}{2} = -\frac{1}{2}y$

7) $\frac{3}{10}w = -\frac{5}{8}$

9) $\frac{1}{6} = \frac{z}{\left(-\frac{1}{6}\right)}$

10) $\frac{9}{\left(\frac{8}{3}\right)} = -\frac{7}{2}$

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Answer Key

One-Step Equations: Fractions

Mul/Div Level 1: S3

Solve each equation.

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

$k = \frac{3}{49}$

2) $\frac{2}{9}r = -\frac{3}{8}$

$r = -\frac{27}{16}$ or $-1\frac{11}{16}$

3) $\frac{q}{\left(\frac{5}{4}\right)} = \frac{9}{4}$

$q = \frac{45}{16}$ or $2\frac{9}{16}$

5) $\frac{5}{2} = -\frac{1}{2}y$

$y = -5$

7) $\frac{3}{10}w = -\frac{5}{8}$

$w = -\frac{25}{12}$ or $-2\frac{1}{12}$

$a = \frac{9}{7}$ or $1\frac{2}{7}$

9) $\frac{1}{6} = \frac{z}{\left(-\frac{1}{6}\right)}$

$z = -\frac{1}{36}$

10) $\frac{9}{\left(\frac{8}{3}\right)} = -\frac{7}{2}$

$g = -\frac{28}{3}$ or $-9\frac{1}{3}$

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