

Show all of your work and check your answers.

I can solve algebraic equations.

1) $y - (-6) = -74$

$y + 6 = -74$

$y = -80$

2) $p - 12 = -5$

$+12 +12$

$p = 7$

3) $-8z = -96$

$\frac{-8z}{-8} = \frac{-96}{-8}$

$z = \frac{-96}{-8} = \frac{+96}{+8} = 12 = 2$

4) $\frac{x}{6} = -48 \cdot 6$

$x = -288$

I can solve algebraic equations with rational numbers.

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

$+1/4 +1/4$

$x = \frac{-3}{8} + \frac{2}{8} = \frac{-1}{8} = x$

6) $-3.14y = 53.38$

$\frac{-3.14y}{-3.14} = \frac{53.38}{-3.14}$

$y = -17.24$

7) $\frac{8}{11}k = \frac{29}{44}$

$\frac{11}{8} \cdot \frac{8}{11}k = \frac{29}{44} \cdot \frac{11}{8}$

$k = \frac{319}{352}$

$k = \frac{29}{32}$

I can solve two step algebraic equations.

8) $-5p + 10 = 75$

$-10 -10$

$-5p = 65$

$p = -13$

9) $\frac{r-2}{-7} = 3 \cdot -7$

$r-2 = -21$

$+2 +2$

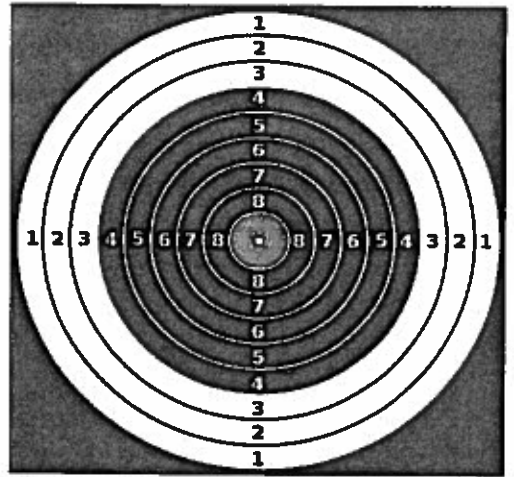
$r = -19$

10) $\frac{x+7}{12} = 11 \cdot 12$

$x+7 = 132$

$-7 -7$

$x = 125$



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6) $-3.14y = 53.38$

7) $\frac{8}{11}k = \frac{29}{44}$

I can solve two step algebraic equations.

8) $-5p + 10 = 75$

9) $\frac{r-2}{-7} = 3$

10) $\frac{x+7}{12} = 11$

