8th Grade

Solving 2-step Equations with Fractions and Decimals

$0.3 = 0.5f - 0.7$

$+.7 \quad +.7$

1.0

$5 \overline{)10}$ → $2.$, 10, 0

$\frac{1}{2} + \frac{3}{2} = 5d - \frac{1}{2}$

$+\frac{1}{2}$

$\frac{4}{2}$

$\frac{1}{.5} = \frac{.5f}{.5}$

$2 = f$

$\frac{2}{5} = \frac{5d}{5}$

$\frac{2}{5} = d$

$\frac{2}{7} + \frac{3}{7} = \frac{h}{14} - \frac{2}{7}$

$+\frac{2}{7}$

$\frac{2}{1} \cdot \frac{5}{7_1} = \frac{h}{14} \cdot 14$

$10 = h$

$\div 14 \mid +\frac{2}{7} \; 0$

$-\frac{2}{7}$

$-0.4 = \frac{g}{3} - 0.9$

$+.9 \quad +.9$

$.9 - .4 = .5$

$3 \cdot .5 = \frac{g}{3} \cdot 3$

$1.5 = g$

$3 \cdot .5 = 15$

You Try: $\frac{4}{3} = -6e - \frac{5}{3}$

$+\frac{5}{3}$ $+\frac{5}{3}$

$\frac{9}{3}$

$\frac{3}{-6} = \frac{-6e}{-6}$

$-\frac{1}{2} = e$

$2\frac{1}{3} = \frac{7}{3}$

$-3b + 2.5 = 4$

-2.5 -2.5

$\frac{-3b}{-3} = \frac{1.5}{-3}$

$b = -.5$

$3\overline{)1.5}$ $.5$

4.10
-2.5
1.5

Homework

Worksheet