

1)

$$\frac{27}{10} \cdot \frac{k}{27} = \frac{11}{18} \cdot \frac{27}{10}$$

$$k = \frac{33}{20}$$

4)

$$\frac{x}{4} = \frac{5\frac{1}{4}}{\frac{6}{1}}$$

$$4 \cdot \frac{x}{4} = \frac{7\frac{1}{4}}{2}$$

$$x = \frac{7}{2}$$

7)

$$\frac{a}{3} = \frac{5\frac{1}{3}}{2\frac{6}{7}}$$

$$3 \cdot \frac{a}{3} = \frac{28}{5}$$

$$a = \frac{28}{5}$$

2)

$$\frac{x}{15} = \frac{5\frac{12}{8}}{\frac{1}{8}}$$

$$15 \cdot \frac{x}{15} = \frac{10}{3} \cdot 15$$

$$x = 50$$

5)

$$2.3 \cdot \frac{2}{0.4} = \frac{r}{2.3}$$

$$\frac{4.6}{.4} = r$$

$$11.5 = r$$

$$\begin{array}{r} 4 \overline{)4.60} \\ \underline{-4} \phantom{0} \\ 06 \\ \underline{-4} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

8)

$$\frac{2}{x} = \frac{6\frac{2}{3}}{4\frac{2}{3}}$$

$$\frac{2}{x} = \frac{9}{7}$$

$$\frac{14}{9} = \frac{9x}{9}$$

$$\frac{14}{9} = x$$

3)

$$\frac{0.3}{y} = \frac{0.9}{12}$$

$$\frac{.36}{.9} = \frac{.9y}{.9}$$

$$.4 = y$$

$$\begin{array}{r} 9 \overline{)3.6} \\ \underline{-36} \\ 0 \end{array}$$

$$\begin{array}{r} 1.2 \\ \times .3 \\ \hline 3.6 \end{array}$$

6)

$$\frac{5\frac{3}{4}}{\frac{3}{4}} = \frac{12}{x}$$

$$\frac{20}{3} = \frac{12}{x}$$

$$\frac{20x}{20} = \frac{36}{20}$$

$$x = \frac{9}{5}$$

9)

$$\frac{y}{0.3} = \frac{7}{0.5}$$

$$y = \frac{2.1}{.5}$$

$$y = 4.2$$

$$\begin{array}{r} 4.2 \\ \times .5 \\ \hline 21.0 \\ \underline{-20} \\ 10 \\ \underline{-10} \\ 0 \end{array}$$