

1. Translate and solve: Three times the difference of a number and 4 results in 39.

$$3(x-4) = 39$$

$$\begin{array}{r} 3x - 12 = 39 \\ + 12 \quad + 12 \end{array}$$

$$3x = 51$$

subtract

$$\frac{3x}{3} = \frac{51}{3}$$

$$x = 17$$

$$\begin{array}{r} 3 \overline{) 51} \\ \underline{3} \\ 21 \end{array}$$

2. Write an equivalent fraction with the denominator shown:

$$\frac{5}{6} = \frac{?}{48}$$

$$\frac{40}{48}$$

↑

needs 8

3. Simplify: $\frac{9}{10} \div \frac{21}{5}$

$$\frac{\overset{3}{\cancel{9}}}{\underset{2}{\cancel{10}}} \cdot \frac{\overset{5}{\cancel{5}}}{\underset{7}{\cancel{21}}} = \frac{3}{14}$$