

## Solving Basic Equations with Multiplication or Division - Set 1

SE2 1

**Instructions:** Use multiplication or division to solve each equation.

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

2  $(5) \frac{x}{5} = 7(5)$   
 $x = 35$

3  $\frac{x}{3} = 9$

4  $72 = 9x$

5  $12x = 144$

6  $10 = \frac{x}{4}$

7  $\frac{24}{x} = 6$

8  $5x = 105$

9  $\frac{x}{12} = 9$

10  $15 = \frac{75}{x}$

11  $\frac{x}{7} = 22$

12  $2x = 142$

## Solving Basic Equations with Multiplication or Division - Set 2

SE2 2

**Instructions:** Use multiplication or division to solve each equation.

$$\begin{aligned} 1 \quad \frac{40}{8} &= \frac{8x}{8} \\ 5 &= x \\ \text{or } x &= 5 \end{aligned}$$

$$\begin{aligned} 2 \quad (\times) 12 &= \frac{48}{x} (\times) \\ \frac{12x}{12} &= \frac{48}{12} \\ x &= 4 \end{aligned}$$

$$3 \quad \frac{x}{8} = 8$$

$$4 \quad 11x = 66$$

$$5 \quad \frac{32}{x} = 4$$

$$6 \quad \frac{x}{3} = 24$$

$$7 \quad 6x = 78$$

$$8 \quad \frac{x}{4} = 14$$

$$9 \quad 7 = \frac{84}{x}$$

$$10 \quad 65 = 5x$$

$$11 \quad 3x = 135$$

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

## Solving Basic Equations (with Negative Numbers)

SE2 4

**Instructions:** Use multiplication or division to solve each equation.

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

2  $-3x = -21$

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

4  $\frac{-28}{x} = -4$

5  $\frac{x}{-7} = 9$

6  $15x = -45$

7  $\frac{x}{-8} = -1$

8  $55 = -5x$

9  $-72 = -8x$

10  $9 = \frac{-45}{x}$