

Solving multiplication or Division Equations

Thoughts → Isolate the variable.
→ Balance the equation
→ use inverse operations to solve.

$$\textcircled{1} \quad \frac{4x}{4} = \frac{16}{4}$$

$$x = 4$$

Four times x

so we need to
divide both
sides

check $4x = 16$

$$4(4) = 16$$

$$16 = 16$$

✓

$$\textcircled{2} \quad \frac{8x}{8} = \frac{80}{8}$$

$$x = 10$$

$$8x = 80$$

$$8(10) = 80$$

$$80 = 80$$

✓

$$\textcircled{3} \quad \frac{2x}{2} = \frac{36}{2}$$

$$x = 18$$

$$2x = 36$$

$$2(18) = 36$$

$$36 = 36$$

✓

$$\textcircled{4} \quad \frac{-5x}{-5} = \frac{35}{-5}$$

$$x = -7$$

$$-5x = 35$$

$$-5(-7) = 35$$

$$35 = 35$$

✓