

## 5.6 The Percent Equation

What number is 25% of 60?

$$N = (.25) \cdot (60)$$

$$N = 15$$

15 is what Percent of 60?

$$\frac{15}{60} = \frac{60 \cdot P}{60}$$

$$.25 = P$$

$$25\% = P$$

16 is 30% of what number?

$$\frac{16}{.30} = \frac{(.30) \cdot W}{.30}$$

$$\frac{16}{\frac{3}{10}} = \frac{\frac{3}{10}W}{\frac{3}{10}}$$

$$53.333\ldots = W$$

$$\frac{16}{1} \cdot \frac{10}{3} = W$$

$$53\frac{1}{3} = W$$

$$\frac{160}{3} = W$$

$$53.3 = W$$

$$P \cdot 234$$

$$53.\bar{3} = W$$

#4. 26 even