

Percent Problems

$$\frac{\text{is}}{\text{of}} = \frac{\%}{100}$$

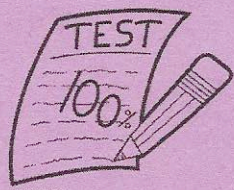
$$\frac{\text{Part}}{\text{whole}} = \frac{\text{Part}}{\text{whole}}$$

$$\frac{\text{Part}}{\text{of whole}} = \frac{\% \text{ Part}}{\text{whole 100}}$$

For one Biology test, Joan had to answer 24 questions. Of these 24 questions, Joan answered 12 of them correctly. What percent did Joan get on her Biology test?

Correct total questions $\frac{12}{24} = \frac{x}{100}$

$x = 50\%$



One baseball team played 15 games throughout their entire season. If this baseball team won 40% of those games, then how many games did they win?

won All games $\frac{x}{15} = \frac{40}{100}$

$x = 6 \text{ games}$



Mary decided to look at new and used SUVs. Mary found a used SUV for \$5000. Mary found that she paid 20% of the price of a new SUV.

old \$5,000 new $\frac{5,000}{x} = \frac{20}{100}$

$x = \$25,000$

