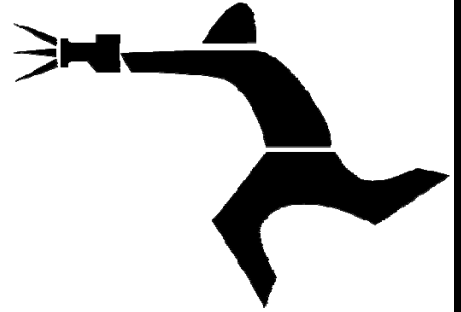Name _____   Date _____

Percentage of Integers (Using Proportions) Guided Lesson Explanation

Directions: Use the proportion method to find the values below.

1) What is 22% of 936?

Convert percentage to a fraction: 22% = $\frac{22}{100}$

Create a ratio/proportion for unknown (x): $\frac{22}{100} = \frac{x}{936}$

Solve for x: $100x = 20{,}592$

Solve for x: 205.92 or 206 (rounded)

Final answer: 206

2) What is 80% of 60?

Convert percentage to a fraction: 80% = $\frac{80}{100}$ (can be reduced, but not necessary)

Create a ratio/proportion for unknown (x): $\frac{80}{100} = \frac{x}{60}$

Solve for x: $100x = 4{,}800$

Solve for x: 48 (final answer)

3) What is 38% of 88?

Convert percentage to a fraction: 38% = $\frac{38}{100}$

Create a ratio/proportion for unknown (x): $\frac{38}{100} = \frac{x}{88}$

Solve for x: $100x = 3{,}344$

Solve for x: 33.44 or 33 (rounded)

Final answer: 33