math Antics
Exercises

Name: _____

Date: _____

What Percent Is It?

1 For this percent word problem, figure out which component is missing and circle it on the equation below. (part, total or percent)

Ellen got 47 questions right on her math test. If the test had a total of 50 questions, what percent did she get right?

$$\frac{Part}{Total} = \frac{(Percent)}{100}$$

2 For this percent word problem, figure out which component is missing and circle it on the equation below.

If 60% of your class likes to play basketball at recess, and there are 30 students in your class, how many like playing basketball?

$$\frac{(Part)}{Total} = \frac{Percent}{100}$$

3 For this percent word problem, figure out which component is missing and circle it on the equation below.

At a pizza party, 40% of the pizzas were pepperoni. If there were 6 pepperoni pizzas, how many pizzas were there in all?

$$\frac{Part}{(Total)} = \frac{Percent}{100}$$

4 For this percent word problem, figure out which component is missing and circle it on the equation below.

What percent of Tom's pets are dogs if 3 out of 5 are dogs?

$$\frac{Part}{Total} = \frac{(Percent)}{100}$$

5 7 out of 20 is what percent?

$$\frac{7 \times 5}{20 \times 5} = \frac{35}{100} = (35\%)$$

6 9 out of 15 is what percent?

$$\frac{9}{15} = 0.6 = (60\%)$$

Just divide 9 by 15 to get the decimal value. Then move the decimal point two places to the right to get the percent form.

7 Paul asked 200 people what their favorite fruit was. 80 said it was bananas, 95 said it was apples, and the rest said it was some other fruit. What percent likes bananas the best?

$$\frac{80 \div 2}{200 \div 2} = \frac{40}{100} = (40\%)$$

8 A parking lot that has 520 spaces was filled with 390 cars. What percent of the parking lot was full?

$$\frac{390}{520} = 0.75 = (75\%)$$

See Video for step-by-step solutions to each problem.