

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?

$$\frac{\text{Part}}{\text{Total}} = \frac{\text{Percent}}{100}$$

- 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?

$$\frac{\text{Part}}{\text{Total}} = \frac{\text{Percent}}{100}$$

- 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?

$$\frac{\text{Part}}{\text{Total}} = \frac{\text{Percent}}{100}$$

- 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?

$$\frac{\text{Part}}{\text{Total}} = \frac{\text{Percent}}{100}$$

- 5** 7 out of 20 is what percent?

- 6** 9 out of 15 is what percent?



- 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?

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



Percents: Missing Total

1 At a birthday party, 50% of the cupcakes are chocolate. If there are 20 chocolate cupcakes, how many cupcakes are there altogether?

2 A store's parking lot is 10% full. If there are 12 cars in the lot, then how many cars can the entire parking lot hold?

3 A music store sells both electric and acoustic guitars. One month, the store sold 12 electric guitars. If that was 60% of their sales for the month, how many guitars did they sell that month in all?

4 A family is on a road trip, and they have driven 30% of the distance to their destination. If they have driven 150 kilometers so far, what is the total distance to their destination?

5 A baseball team won 90% of their games last season. If they won 144 games, then how many games did they play during the entire season?



6 A rain barrel is 65% full. If there are 26 gallons of rain water in the barrel, how many gallons of water can the whole barrel hold?



7 A theater has sold 70% of the tickets for an upcoming show. If it has sold 63 tickets so far, how many tickets are left? (*hint: find the total first.*)



8 A bakery has sold 84% of the bread it baked that morning. If it has sold 126 loaves of bread, how many loaves of bread are left? (*hint: find the total first.*)

