Math Antics®
Exercises

Name: _____

Date: _____

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?

$$\frac{20 \times 100}{50} = \text{total}$$

$$\frac{2,000}{50} = \boxed{40}$$

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?

$$\frac{12 \times 100}{10} = \text{total}$$

$$\frac{1,200}{10} = \boxed{120}$$

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?

$$\frac{12 \times 100}{60} = \text{total}$$

$$\frac{1,200}{60} = \boxed{20}$$

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?

$$\frac{150 \times 100}{30} = \text{total}$$

$$\frac{15,000}{30} = \boxed{500 \text{ km}}$$

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?

$$\frac{144 \times 100}{90} = \text{total}$$

$$\frac{14,400}{90} = \boxed{160}$$

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?

$$\frac{26 \times 100}{65} = \text{total}$$

$$\frac{2,600}{65} = \boxed{40 \text{ gal.}}$$

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.)*

$$\frac{63 \times 100}{70} = \text{total}$$

$$\frac{6,300}{70} = 90$$

$$90 - 63 = \boxed{27 \text{ left}}$$

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.)*

$$\frac{126 \times 100}{84} = \text{total}$$

$$\frac{12,600}{84} = 150$$

$$150 - 126 = \boxed{24 \text{ left}}$$

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