

Solve Percent Problems

Guided Practice



Use double number lines to find the whole. (Example 1)

1. 40 is 20% of what number?

2. 90 is 25% of what number?

Write a percent proportion and solve each problem. (Examples 3 and 4)

3. 120 is 30% of what number?

4. 60 is 15% of what number?

5. In the first year of ownership, a new car can lose 20% of its value. If a car lost \$4,200 of value in the first year, how much did the car originally cost? (Examples 2 and 5)

Independent Practice

Go online for Step-by-Step Solutions



Use double number lines to find the missing number. (Example 1)

1. 63 is 90% of what number?

2. 80 is 25% of what number?

Write a percent proportion and solve each problem. (Examples 3 and 4)

3 22 is 44% of what number?

4. 450 is 75% of what number?

5 A store is having a sale where winter clothes are 60% of the original price. A sweater is on sale for \$30. What was the original price of the sweater? *Examples 2 and 5*

6. Kai calculates that he spends 15% of a school day in science class. If he spends 75 minutes in science class, how many minutes does Kai spend in school? *Examples 2 and 5*

For Exercises 7–9, use the table.

7. If you have 3 cups of pineapple juice, how many total cups of punch can you make?
8. How many cups of sorbet are used in 8 cups of punch?
9. Elise does not like sorbet, so she omits that ingredient and adds 5 percent of each of the other ingredients. How many cups of punch will she have if she uses 6 cups of orange juice?

Punch Recipe

Ginger Ale	40%
Orange Juice	25%
Pineapple Juice	20%
Sorbet	15%



Standardized Test Practice

15. At a zoo, an Asian elephant eats roughly 5% of its body weight each day. If an Asian elephant eats 300 pounds of food a day, how much does it weigh?
- (A) 1,500 lb (C) 18,000 lb
 (B) 6,000 lb (D) 120,000 lb
22. A tiger can eat food that weighs up to 15% of its body weight. If a tiger can eat 75 pounds of food, how much does a tiger weigh?
23. According to the school survey, 12% of the students at Rockwood Junior High School speak Spanish. There are 36 students at the school who speak Spanish. How many students were surveyed?