Percent Worksheet

Grade 6 · Common Core 6.RP.A.3c

> Find a percent of a quantity as a rate per 100; solve problems involving finding the whole, given a part and the percent.

Practice

Builds the skill step by step.

1. What is 50% of 80?

2. What is 10% of 250?

3. Write 30% as a fraction in simplest form.

4. A grid has 100 squares and 45 are shaded. What percent is shaded?

   A. 55%

   B. 4.5%

   C. 145%

   D. 45%

5. What is 25% of 60?

6. A class has 20 students, and 30% of them have a pet dog. How many students have a pet dog?

7. Which is equal to 75%?

   A. $\frac{3}{4}$

   B. $\frac{7}{5}$

   C. 0.075

   D. $\frac{1}{75}$

8. Write $\frac{2}{5}$ as a percent.

9. What is 20% of 45?

10. There are 50 marbles in a bag. 18 of them are red. What percent of the marbles are red?

ALBERT

Name _____ Date _____

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On Level

Grade-level practice.

1. A $40 shirt is on sale for 15% off. How many dollars is the discount?

2. 12 is 30% of what number?

3. Ava answered 34 of 40 questions correctly. What percent did she get correct?

4. Which is greatest?

   A. 45% of 60

   B. 60% of 40

   C. 30% of 80

   D. 25% of 100

5. A school has 600 students. 35% ride the bus. How many students ride the bus?

6. A team won 9 games. That is 75% of the games it played. How many games did it play?

7. Use the table to find 40% of 150.

Percent	10%	20%	40%
Amount	15	30	?

8. A recipe has 200 grams of flour, and 8% of it is protein. How many grams of protein are in the flour?

9. 18 students in a class walk to school. They are 60% of the class. Which equation finds the class size n?

   A. $18 \times 0.60 = n$

   B. $n \div 18 = 0.60$

   C. $0.60 \times n = 18$

   D. $n - 18 = 60$

10. Write 0.6 as a percent and as a fraction in simplest form.

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Challenge

Multi-step and word problems that stretch it.

1. A video game costs $50. It is on sale for 20% off, and then sales tax of 5% is added to the sale price. What is the final price?

2. In a survey, 45% of 120 students chose pizza as their favorite lunch. How many students did not choose pizza?

3. Lucas has read 72 pages of a book, which is 40% of the book. How many pages does he have left to read?

4. A store's price for a backpack is $36. A second store charges 25% more. What is the second store's price?

5. Mia scored 21 out of 25 on a quiz. Jon scored 85% on the same quiz. Who did better, and by how many percentage points?

   A. Mia, by 1 percentage point

   B. Mia, by 4 percentage points

   C. Jon, by 1 percentage point

   D. They scored the same

6. A garden has 80 plants. 25% are tomatoes, 40% are peppers and the rest are herbs. How many herb plants are there?

7. A jacket is on sale for $63 after a 30% discount. What was the original price?

8. Raj says 50% of 30 is greater than 30% of 50. Is he right? Explain.

9. A water tank holds 400 gallons. It is 35% full. How many more gallons are needed to fill it to 90%?

10. A school raised $1,200 for a field trip. This is 80% of its goal. How much more money does it need to reach the goal?