Name _____ Date _____

Percent of a Quantity: Find the Part, Find the Whole

Directions: Percent means per 100, so 9% of an amount is 9/100 of that amount. Type a percent answer as a number without the percent sign, and type a money answer without the dollar sign.

1. A wall has 100 tiles, and 35 of them are blue. What percent of the tiles are blue? Type the number without a percent sign.

_____ percent

2. What is 25% of 60?

_____

3. At a large school, 20% of the students walk to school. Which statement means the same thing?

A. 100 out of every 20 students walk to school.

B. Exactly 20 students walk to school.

C. 1 out of every 20 students walks to school.

D. 20 out of every 100 students walk to school.

4. Use 10% to find 40% of 70. Fill each blank with a number.

10% of 70 is _____. So 40% of 70 is _____.

5. Which expressions are equal to 15% of 80? Select the two that have the same value as 15% of 80.

☐ A. 0.15×80 ☐ B. 1.5×80 ☐ C. 15×80

☐ D. $15/100 \times 80$ ☐ E. $80 \div 15$

6. Two students find 5% of 40.

• Soren writes 5% as 0.5 and multiplies: $0.5 \times 40 = 20$.
• Anika writes 5% as 0.05 and multiplies: $0.05 \times 40 = 2$.

Which student found 5% of 40, and why?

A. Both, because 0.5 and 0.05 are equal.

B. Soren, because 5% and 0.5 are two ways to write the same number.

C. Neither, because 5% of 40 is 8.

D. Anika, because 5% means 5 per 100, and 5/100 is 0.05.

7. A video game costs $45. Naveen has saved 20% of the cost. How many dollars has he saved?

_____ dollars

8. Twelve students in the chess club are sixth graders. They make up 25% of the club. How many students are in the club in all?

_____ students

9. 21 is 35% of what number?

A. 60 B. 56 C. 7.35 D. 735

10. Maren has read 45 pages of a book. Those pages are 60% of the book. How many pages does she have left to read?

_____ pages