Problem Solving

Interpret the Quotient

Write the correct answer.

1. Five friends split a pizza that costs $16.75. If they shared the bill equally, how much did they each pay?

2. There are 45 choir members going to the recital. Each van can carry 8 people. How many vans are needed?

3. Tara bought 150 beads. She needs 27 beads to make each necklace. How many necklaces can she make?

4. Cat food costs $2.85 for five cans. Ben only wants to buy one can. How much will it cost?

5. Tennis balls come in cans of 3. The coach needs 50 tennis balls for practice. How many cans should he order?

6. The rainfall for three months was 4.6 inches, 3.5 inches, and 4.2 inches. What was the average monthly rainfall during that time?

7. The students in Daniel’s book club have to read a 28-page story. Daniel said he is going to read it in 6 different sittings. About how many pages will Daniel read during each sitting?

8. The gas tank in Brian’s car holds 10.5 gallons. His car averages 28.6 miles per gallon of gas. How many times will he have to fill up the gas tank to drive 1,000 miles?

Circle the letter of the correct answer.

9. Tom has $15.86 to buy marbles that cost $1.25 each. He wants to know how many marbles he can buy. What should he do after he divides?

   A Drop the decimal part of the quotient when he divides.
   B Drop the decimal part of the dividend when he divides.
   C Round the quotient up to the next highest whole number to divide.
   D Use the entire quotient of his division as the answer.

10. Mei needs 135 hot dog rolls for the class picnic. The rolls come in packs of 10. She wants to know how many packs to buy. What should she do after she divides?

    F Drop the decimal part of the quotient when she divides.
    G Drop the decimal part of the dividend when she divides.
    H Round the quotient up to the next highest whole number.
    J Use the entire quotient of her division as the answer.