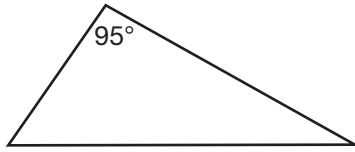Name _____

1. Which is the best name for this triangle?

- **A** Right isosceles
- **B** Obtuse bilateral
- **C** Acute equilateral
- **D** Obtuse scalene

2. Annie counted 84 blue cars in the parking lot. What is the prime factorization of that number, written using exponents?

- **A** $2^2 \times 3 \times 7$
- **B** $2 \times 3^2 \times 7$
- **C** $2 \times 3 \times 5 \times 7$
- **D** $2^3 \times 5 \times 7$

3. Adam discovered that his dog had chewed up 18% of his 250 football cards. How many cards did the dog chew?

- **A** 42.5
- **B** 45
- **C** 47.5
- **D** 50

4. Are the mean, median, and mode of this set of numbers all the same? Explain the meaning of each measure.

3, 8, 13, 4, 9, 15, 7, 8, 5

_____

_____

_____

5. Ben sold 78 tickets to the school play, Chandra sold 28 tickets, and Sara sold 92 tickets. Use mental math to find the total number of tickets sold.

_____

6. Write the equivalent decimal and percent. Explain your method.

$\frac{7}{8}$ _____

$1\frac{14}{21}$ _____

_____

_____

_____

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