Math Madness #100

1. This table shows the length of 4 pieces of yarn. Which piece of yarn is the longest?

   a. blue
   b. red
   c. yellow
   d. green

Yarn Length (yd.)	
Blue	2.8
Red	2.62
Yellow	2.51
Green	2.008

2. Wesley bikes 0.265 mile to school every day. Which statement about the distance Wesley bikes is true?

   a. Wesley bikes a little more than a mile to school.
   b. Wesley bikes a little less than $\frac{1}{2}$ mile to school.
   c. Wesley bikes a little less than a mile to school.
   d. Wesley bikes a little more than $\frac{1}{4}$ mile to school.

3. A total of 156 students are going on a field trip to see a play. The theater can seat 8 students in each row. How many rows should the teachers reserve so the class is seated together?

   a. 19 rows because 156 ÷ 8 = 19.5
   b. 19 rows because 156 × 2 = 312
   c. 20 rows because 156 ÷ 8 = 19.5
   d. 20 rows because 156 + 8 = 164

4. Emma bought these items for lunch. Rounded to the nearest dollar, how much money did she spend?

   a. $9.00
   b. $10.00
   c. $11.00
   d. $12.00

   $3.54 $5.39 $1.90

5. Mr. Wilson will add this sugar packet to his iced tea. Which of the following is closest to the weight of a sugar packet?

   a. 1 gram
   b. 10 grams
   c. 1 kilogram
   d. 10 kilograms

6. Complete each statement with always, sometimes, or never.

   A rhombus is ____**sometimes**____ a square.

   A square is ____**always**____ a rhombus.

7. This chart shows the coins in Maude's change purse. If Maude randomly picks one coin from her change purse, what is the probability she will pick a penny?
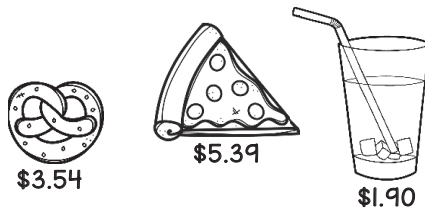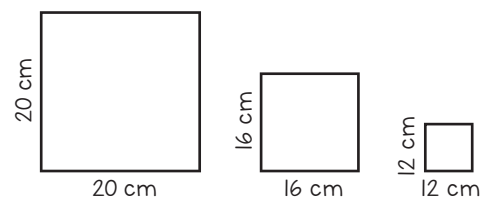
   a. $\frac{1}{5}$ c. $\frac{1}{4}$

   b. $\frac{2}{8}$ d. $\frac{8}{10}$

Coin	Number of Coins
Quarter	1
Dime	4
Nickel	3
Penny	2

8. The squares shown decrease in size according to a rule. If the pattern continues, what will be the area of the next square?

   a. 16 cm²
   b. 16 cm
   c. 64 cm²
   d. 64 cm

   20 cm × 20 cm   16 cm × 16 cm   12 cm × 12 cm

9 & 10 (2 points) Constructed Response

Use the word bank to write the name of each polygon next to the statement that describes it. Some statements can have multiple answers.

Word bank: parallelogram   square   rectangle   trapezoid   rhombus

exactly one pair of parallel sides ____**trapezoid**____

all sides are the same length but have no right angles ____**parallelogram, rhombus**____

opposite sides are equal in length with 4 right angles ____**parallelogram, square, rectangle**____

all sides are equal in length with 4 right angles ____**parallelogram, square**____