MATH MADNESS # 25
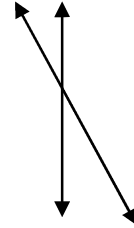
1. The chart below shows the results of a 50-yard dash. Which runner came in second place?

   a. Megan
   b. Steve
   c. Gretchen
   d. Brian

Runner	Time (in seconds)
Megan	6.83
Steve	6.59
Gretchen	6.9
Brian	6.71

2. This represents one. This represents one-tenth.

   ▯▯▯▯▯▯▯▯▯▯   ▢

   What is the value of ▯▯▯▯▯▯▯▯▯ ⊞ ?
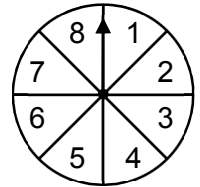
   a. 0.014
   b. 0.14
   c. 1.04
   d. 1.4

3. To prepare for an upcoming race, Mr. Rascoe ran 8 miles a week for 14 weeks. How many miles did he run in all?

   a. 22 miles
   b. 82 miles
   c. 102 miles
   d. 112 miles

4. Each square on the grids equals one-hundredth. What is the sum of the shaded part of both grids?

   a. 0.08
   b. 0.09
   c. 0.8
   d. 0.9

   ▢ = 0.01

5. Which of the following *best* describes these lines?

   a. parallel
   b. perpendicular
   c. intersecting
   d. straight

6. The lamp post on Main Street is 15 feet tall. Which of the following is equivalent to 15 feet?

   a. 150 inches
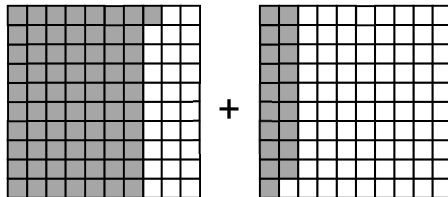   b. 160 inches
   c. 170 inches
   d. 180 inches

7. What is the probability that the spinner below will land on a number *greater than* 3?

   a. $\frac{5}{8}$

   b. $\frac{4}{8}$

   c. $\frac{3}{8}$

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

8. What is the rule for this number pattern?

   100, 60, 40, 30, 25, …

   a. divide by 2 and then add 10 each time
   b. divide by 2 and then subtract 10 each time
   c. subtract 10 and then multiply by 2 each time
   d. add 10 and then divide by 2 each time

9 & 10 (2 points) Short Answer / Extended Response

Use the numbers inside each polygon to label the Venn diagram.
For example, the square is labeled with a 1. Since a square has both parallel and perpendicular lines, a 1 should be written in the center of the Venn diagram as shown.

1   2   3   4

5   6   7   8

Parallel Lines   Perpendicular Lines

1