Math Madness #50

1. Zoey is counting the pennies and nickels in her piggy bank.

   - She placed 5 coins in each stack.
   - She counted 20 stacks of pennies and 10 stacks of nickels.

   How many total coins does Zoey have?

   a. 100   c. 250
   b. 150   d. 300

2. What is ▦ + ▦ =

   a. $\frac{5}{10}$

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

   c. $\frac{8}{10}$

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

3. Which two values are located at the same point on a number line?

   a. $\frac{1}{2}$ and 2

   b. $\frac{3}{3}$ and 6

   c. $\frac{8}{10}$ and 8

   d. $\frac{6}{6}$ and 1

4. Which expression is equal to 360?

   a. 6 × 40
   b. 6 × 60
   c. 8 × 40
   d. 8 × 60

5. Which situation could be represented by the expression 24 ÷ 3?

   a. Tim collected 24 seashells and then collected 3 more.
   b. Tim had 24 candies with an equal number of candies in 3 bags.
   c. Tim had 24 rocks in his collection and gave 3 away.
   d. Tim ran 24 miles a week for 3 weeks.

6. A rectangle is divided into parts. Each part is $\frac{1}{6}$ of the total area of the rectangle. Which sentence describes the rectangle?
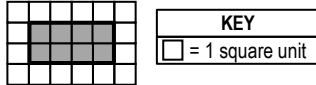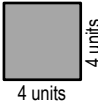
   a. The rectangle has 6 parts that are each the same size.
   b. The rectangle has 7 parts that are each the same size.
   c. The rectangle has 1 small part and 6 large parts.
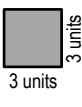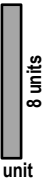   d. The rectangle has 1 small part and 7 large parts.

7. Ari bought a rug for her room. The shaded part of the figure below shows the area of her rug.
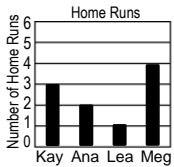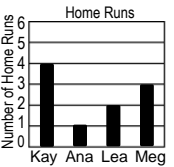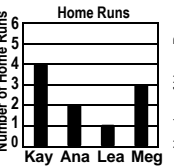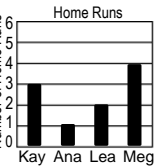
   Which figure has the same area as Ari's rug?

   KEY: ☐ = 1 square unit

   a. 4 units × 4 units
   b. 2 units × 6 units
   c. 3 units × 3 units
   d. 1 unit × 8 units

8. This table shows the number of home runs hit by four players on a softball team. Which bar graph shows this information correctly?

Number of Home Runs	
Kay	4
Ana	2
Lea	1
Meg	3

   a.   b.   **c.**   d.

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

Grace is making necklaces. The picture below shows the colored beads she will use to make each necklace. Grace wants to make nine necklaces.

How many green beads will she need? __**36**__

How man red beads will she need? __**18**__

How many yellow beads will she need? __**45**__

How many beads will she use in all? __**99**__

Green: G G G G | Red: R R | Yellow: Y Y Y Y Y