MATH MADNESS # 25

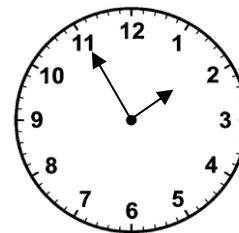**1.** What does the symbol below represent?

$$\neq$$

   a. greater than or equal to
   b. less than or equal to
   c. not equal to
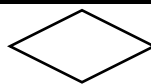   d. equal to sometimes

2. This model is shaded to represent 1.

What do the shaded parts in the model below represent?

   a. $\frac{1}{10}$ **c. $4\frac{1}{2}$**
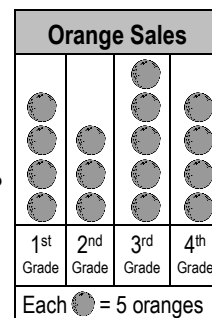
   b. $\frac{9}{10}$ d. $8\frac{1}{2}$

3. Pine Valley School sold 1,497 small T-shirts and 2,090 medium T-shirts. How many T-shirts did the school sell in all?

   a. 2,090
   b. 2,994
   c. 3,587
   d. 3,987

4. There are 12 candies in a box. If Chip, Joanne, and Clint share the box equally, how many candies will each of them have?

   a. 3
   b. 4
   c. 5
   d. 6

5. Piper went to the mall at the time shown on the clock. Piper left the mall exactly 2 hours later.

What time did Piper leave the mall?

   a. 3:11 p.m.
   b. 3:55 p.m.
   c. 4:11 p.m.
   d. 4:55 p.m.

6.

Which two shapes below could be combined to make the shape above?

   a. Shapes 1 and 4
   b. Shapes 1 and 3   Shape 1   Shape 2   Shape 3   Shape 4
   c. Shapes 2 and 3
   d. Shapes 2 and 4

7. This picture graph shows the number of children in several different grades that bought oranges at lunch.

How many more 3rd graders bought oranges than 2nd graders?

   a. 2
   b. 4
   c. 8
   d. 10

Orange Sales

1st Grade   2nd Grade   3rd Grade   4th Grade

Each ◉ = 5 oranges

8. The number machine below changes numbers into new numbers. If the rule for the machine is "add 15," what number should come out?

   a. 305
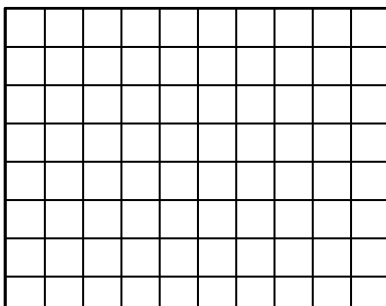   b. 310
   c. 315
   d. 320

290

In

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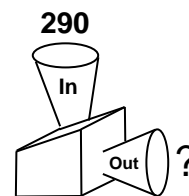
9 & 10 (2 points) Short Answer / Extended Response

Use the grid below to draw 2 shapes that are congruent.

How do you know they are congruent?

They are the same

shape and size.

_____

_____

Use the grid below to draw 2 shapes that are similar but ***not*** congruent.

How do you know they are similar but ***not*** congruent?

They are the same

shape but a different

size._____

_____