Math Madness #100

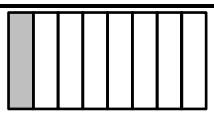
1. Mr. Blaesing is thinking of a 3-digit number. Below are three clues.

   Clue 1 – The number is **between** 408 and 433.
   Clue 2 – It is an **odd** number.
   Clue 3 – The number has **more** tens than ones.

   What is Mr. Blaesing's number?

   a. 409 **c. 431**
   b. 423 d. 443

2. Noel is working on a math problem. His teacher asked him to shade parts of the figure so that $\frac{5}{8}$ is shaded?



   What should Noel do to complete the problem?
   a. Noel should shade 3 more parts.
   b. Noel should shade 4 more parts.
   c. Noel should shade 5 more parts.
   d. Noel should shade 6 more parts.

3. One-fourth of the 8 cakes at a bakery are chocolate cakes. How many chocolate cakes does the bakery have?

   a. 2
   b. 4
   c. 12
   d. 32

4. Mr. Kimmel is building two apartment buildings. Building A will have 4 floors with 10 apartments on each floor. Building B will have 8 floors with 5 apartments on each floor.

   Which statement about these buildings is true?
   a. Building A will have 1 more apartment.
   b. Building B will have 1 more apartment.
   c. Building B will have twice as many apartments.
   d. Building A and B will have the same number of apartments.

5. Jon baked 2 batches of cookies in 24 minutes. At this rate, how long will it take Jon to bake 8 batches?

   a. less than 1 hour
   b. between 1 and $1\frac{1}{2}$ hours
   c. between $1\frac{1}{2}$ and 2 hours
   d. more than 2 hours

6. Doug cut a large towel into small squares. Each small square has the same area. The area of each small square is $\frac{1}{8}$ the area of the large towel. How many small squares did Doug cut the large towel into?

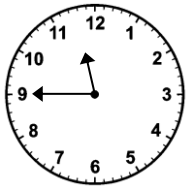
   a. 1
   b. 7
   c. 8
   d. 9

7. Which of the following are the dimentions of a rectangle with a perimeter of 20 inches and an area of 16 square inches?

   a. length – 1 inch; width – 16 inches
   b. length – 1 inch; width – 9 inches
   c. length – 2 inches; width – 8 inches
   d. length – 4 inches; width – 5 inches

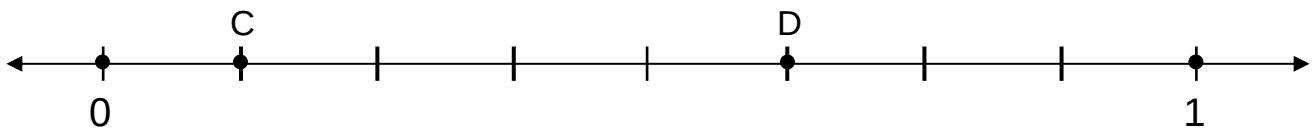
8. The clock shows the time Yancy arrived at the community pool. If she spent 3 hours and 25 minutes at the pool, what time did she leave?

   a. 2:10 p.m.
   b. 2:20 p.m.
   c. 3:10 p.m.
   d. 3:20 p.m.



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

On the number line below, the distance from 0 to 1 represents a whole.



What is the distance from point C to point D? **$\frac{1}{2}$**