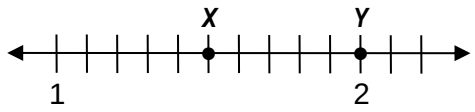
Math Madness #100

1. Rounded to the nearest ten, 7,400 people attended a football game. Which value could be the actual number of people at the football game?

   a. 7,389
   b. 7,396
   c. 7,412
   d. 7,432

2. Which of the following would be ***between*** *X* and *Y* on the number line?

   a. $\frac{1}{2}$
   b. $\frac{8}{5}$
   c. $\frac{9}{2}$
   d. $\frac{5}{1}$



3. Regina has two cups that are the same size. Cup *A* is $\frac{7}{8}$ full with juice and cup *B* is $\frac{3}{4}$ full with juice. Which statement explains why cup *A* has more juice in it?

   a. The denominator 8 is greater than the denominator 4.
   b. The numerator is 7 is greater than the numerator 3.
   c. $\frac{3}{4}$ is equal to $\frac{6}{8}$ and $\frac{6}{8}$ is less than $\frac{7}{8}$
   d. 7 + 8 is greater than 3 + 4

4. Jerry planted *f* flowers. Jerry used 3 times as many seed packets as Liv. Liv used 2 seed packets and each packet contained 55 seeds. Which equation shows how many flowers (*f*) Jerry planted?

   a. $3 \times 2 \times 55 = f$
   b. $3 + 2 \times 55 = f$
   c. $3 \times f = 55 \times 2$
   d. $3 + f = 55 \times 2$

5. How many numbers are both factors of 24 and multiples of 6?

   a. 1
   b. 2
   c. 3
   d. 4

6. Maurice draws a polygon. The polygon has exactly 2 pairs of acute angles, 2 obtuse angles, and two pairs of parallel lines. Which shape could be the polygon Maurice drew?

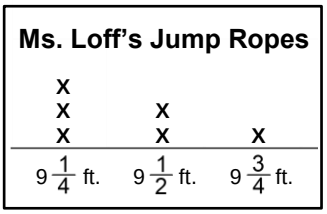
   a. square
   b. rhombus
   c. octogon
   d. triangle

7. A movie starts at a quarter to 7 and ends at a quarter after 9. How many minutes long was the movie?

   a. 120
   b. 130
   c. 150
   d. 165

8. The line plot below shows the length of different jump ropes in Ms. Loff's gym class. If Ms. Loff lays all the jump ropes end to end, how long will they extend?

   a. $29\frac{1}{2}$ ft. c. $45\frac{1}{4}$ ft.
   b. $46\frac{3}{4}$ ft. **d. $56\frac{1}{2}$ ft.**



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

Julianna took a survey of eye color. Forty students participated in her survey. The results are shown below.

> $\frac{1}{4}$ of the students have green eyes.
> $\frac{1}{2}$ of the students have blue eyes.
> The rest of the students have brown eyes.

How many students have green eyes? **10**

How many students have blue eyes? **20**

How many students have brown eyes? **10**