

# Math Madness # 25

1. Ms. Blanchard measured the height of her triplets on their first birthday. Alex was 30.8 inches tall, Baron was 30.088 inches tall, and Christopher was 30.09 inches tall. Which list shows the height of the triplets ordered from shortest to tallest?

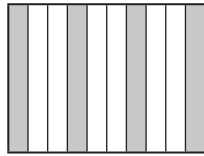
- a. Alex, Baron, Christopher
- b. Baron, Alex, Christopher
- c. Alex, Christopher, Baron
- d. Baron, Christopher, Alex**

5. Mr. James bought a new fish tank that he needs to fill with water. Which calculation will provide Mr. James with the information he needs?

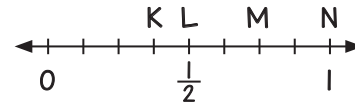
- a. length + width of the tank
- b. length + width + height of the tank
- c. length × width of the tank
- d. length × width × height of the tank**

2. Select *all* the numbers that are equivalent to the shaded part of the model shown.

- a.  $\frac{2}{5}$
- b.  $\frac{4}{6}$
- c. 0.46
- d. 0.04
- e.  $\frac{4}{10}$
- f. 0.40**



6. Oscar has 3 blue markers and 5 black markers in his pencil box. Which letter represents the probability Oscar will randomly pick a blue marker?



- a. K
- b. L
- c. M
- d. N

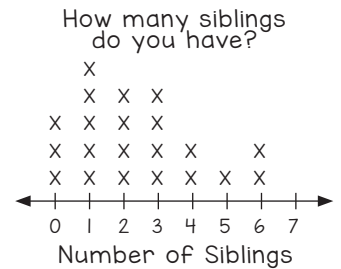
3. Josh has 139 baseball cards and 218 hockey cards. If he combines his cards and then divides them equally among 7 friends, how many cards will he give each friend?

- a. 50
- b. 51**
- c. 70
- d. 71

7. This line plot shows the number of siblings students in a class have.

What fraction of the students are only children?

- a.  $\frac{1}{7}$
- b.  $\frac{1}{6}$
- c.  $\frac{1}{3}$
- d.  $\frac{2}{3}$



4. Which operation in this expression should be completed first?

$$90 \div 2 + 6 \times 14$$

- a.  $90 \div 2$**
- b.  $2 + 6$
- c.  $6 \times 14$
- d.  $2 \times 14$

8. Based on the rule, what is the input number if the output number is 384?

- a. 26
- b. 32**
- c. 34
- d. 42

Rule: Multiply by 12	
Input	Output
12	144
21	252
<b>?</b>	384
46	552

## 9 & 10 (2 points) Constructed Response

Four members of the relay team just finished a race. Their race times were 22.07 seconds, 22.86 seconds, 23.79 seconds, and 21.9 seconds. Their goal was to finish the relay in  $1\frac{1}{2}$  minutes or less. Did they reach their goal? If not, how many seconds too slow were they? If they did reach their goal, how many seconds did they beat their goal by?

How long did it take the team to complete the race? 90.62 seconds

The relay team did not reach their goal. Their race time was 0.62 seconds slower than their goal. (did or did not) (time) (faster or slower)