Math Madness #75

1. Sergio bought honey dew melon, cantaloupe, and watermelon at the farmer's market. The table below shows the weight of each piece of fruit.

Which of the following shows the weight of the cantaloupe written in words?

Fruit	Weight (pounds)
Honey Dew	4.04
Cantaloupe	4.004
Watermelon	14.04

a. four and four tenths
b. four and four hundredths
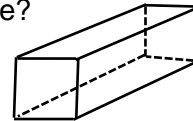**c. four and four thousandths**
d. four and forty thousandths

5. The community safety committee wants to put a fence around the neighborhood playground. What information do they need to have in order to buy the right amount of fencing?

a. the type of equipment on the playground
b. the perimeter of the playground
c. the area of the playground
d. the shape of the playground

2. A candy factory made 3,864,971 pieces of gum last year. What is 3,864,971 rounded to the nearest ten thousand?

a. 3,800,000
b. 3,860,000
c. 3,870,000
d. 3,900,000
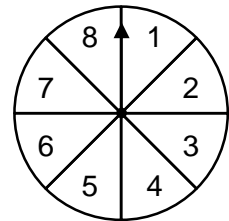
6. Which statement is true?

a. Rectangular prisms have exactly 8 faces.
b. Rectangular prisms have exactly 5 rectangular faces.
c. Rectangular prisms have exactly 6 vertices
d. Rectangular prisms have exactly 12 edges.

3. Nick walks exactly $\frac{1}{2}$ mile every day after school. Today he walked $\frac{1}{6}$ mile and stopped to talk to a friend. After that, how far did Nick have left to walk?

a. $\frac{1}{8}$ mile   c. $\frac{1}{4}$ mile

b. $\frac{1}{5}$ mile   **d. $\frac{1}{3}$ mile**

7. What is the probability the arrow will land on a factor of 6?

a. $\frac{1}{2}$ or 0.12

b. $\frac{1}{4}$ or 0.25

c. $\frac{1}{2}$ or 0.50

d. $\frac{1}{4}$ or 0.75

3. Which number belongs in the box to make this number sentence true?

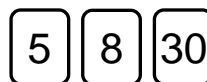$$2 \times (3 + 9) = (2 \times 3) + (\square \times 9)$$

a. 2
b. 3
c. 6
d. 9

8. Which of the following will be a true statement if an equal sign is placed in the box?

a. 10 × 4 × 6 ☐ 20 × 12
b. 12 × 9 × 3 ☐ 27 × 6
c. 50 × 4 × 5 ☐ 20 × 10
d. 12 × 3 × 6 ☐ 15 × 6

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

Lindsay will pick two of the following cards without looking.

| 5 | 8 | 30 |

Using the words: *certain*, *impossible*, *unlikely* or *likely*, describe the probability the product of the cards she picks will be odd. Be sure to list all possible products.

It is impossible that the product of the cards will be odd.

● **Possible products include 40, 150, and 240. (5 × 8) (5 × 30) (8 × 30)**

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