Mathematical processes

Math

1 To find the **perimeter** of a block that is **500 ft x 700 ft**, what must you know in order to solve the problem?

A Perimeter = 500 x 700
B Perimeter = 500 + 700
C Perimeter = 2(500) + 2(700)
D Perimeter = 2(500) x 2(700)

2 In order to change the fraction $\frac{3}{8}$ into a **decimal**, what must you know in order to solve the problem?

A Eight must be divided by 3.
B Three must be divided by 8.
C The fraction should be multiplied by 10.
D The fraction should be divided by 10.

3 In order to solve for the **function**, **y = 2x − 6** when **x = -4**, what should you know in order to solve the function correctly?

A Negative 4 is subtracted from 6 first.

4 In order to solve for the probability of picking a **green and then a red** marble out of a bag with **5** green, **6** red, and **3** white marbles, it is important to know if the events are **dependent or independent**.

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True or false?

A true   **B** false

B Tax = (24.99)(8).
C Tax = 24.99 − .08.
D Tax = 24.99 ÷ 8.

9 Kirk is figuring out how many different pizzas he can make with **thick** or **thin** crust and **4** different toppings. Which would **not** be a strategy to use to solve this problem?

A He can count the ways.
B He can make a tree diagram.
C He can make a visual.
D He can add 2 + 4.

10 Jeanette needs to find the **volume** of a pool. She knows the dimensions are **15 ft x 30 ft x 4 ft**. How can she find the volume of the pool?

A She can add 15 + 30 + 4.
B She can measure the water by hand.
C She can use the volume formula.
D She can empty the pool.

Name_____ Class_____ Date_____

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