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Note: This quiz covers some problems from the **introduction to basic algebra**.

Problem 1 (5 points): Natalie rented a <u>rectangular</u> RV park space of length 15 meters and the width of the RV space is one-fifth its length. Find the area of Natalie's RV park space.

Hint: The area of rectangle is length multiplied by width.

$$w = \frac{1}{5}\ell = \frac{1}{5}(\overset{3}{15}) =$$

$$\ell = 15m$$
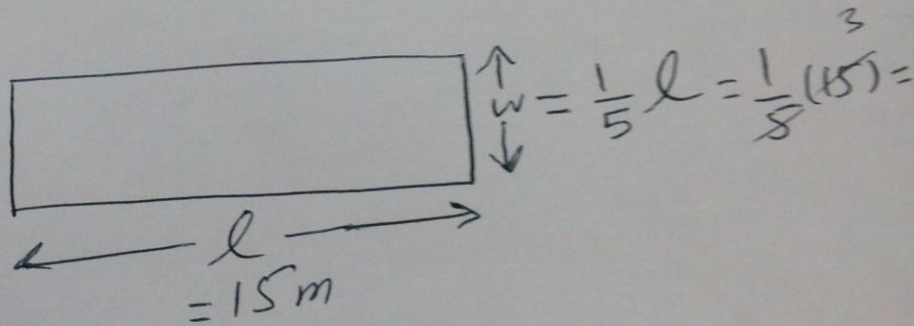
$$Area = length \times Width$$

$$= 15 \times 3$$

$$= \boxed{45\,m^2}$$

Problem 2 (5 points): Translate each of following English phrases to the math language (algebraic expression)

Part a: Seven added to five times some number, y.

$$7 + 5y \quad \text{or} \quad (7) + (5y)$$

Part b: Twenty-two percent of some number, x.

$$22\% \cdot x$$

$$\text{or} \quad \frac{22}{100}x$$

$$\text{or} \quad 0.22x$$

Extra Credit (2 points): Give two different word examples of constants.

① Date of Birth

② Production date of your car

or any other reasonable answers

Math is Awesome!!!

Practice + Study = Success

Good Luck

Mohammed Kaabar