NAME: _____   SECTION: _____

LESSON 7: PROBABILITY OF A SIMPLE EVENT

I. OBJECTIVES

The learner finds the probability of a simple event. **(M8GE-IVh-1)**
- The learner solves problems involving probabilities of simple events.

II. LESSON

Probability refers to the likelihood of an event occurring, also known as chance. The greater the likelihood of an event, the higher its probability, while the lower the likelihood, the smaller its probability. Probability can be represented as a fraction, decimal, or percentage. A **simple event** is an event with only one possible outcome.

Examples:

$$P(E) = \frac{Number\ of\ Favorable\ Outcomes}{Number\ of\ all\ Possible\ Outcomes}$$

1.) If you flip a coin once, what is the probability of getting a head?	Answer: $P(head) = \frac{1}{2}$
2.) If one letter is chosen at random from the word **MATHEMATICS**, what is the probability that the letter chosen is a consonant?	Answer: $P(consonant) = \frac{7}{11}$

III. ACTIVITY

I. Choose the letter of the correct answer. Click the arrow to reveal the options and select your answer.

1. In rolling a die, what is the probability of getting a number greater than 6?
   a. 0   b. $\frac{1}{6}$ c. 1   d. 2

2. A card is drawn from a deck of 52 playing cards. What is the probability of getting a heart?
   a. $\frac{1}{2}$ b. $\frac{1}{3}$ c. $\frac{1}{4}$ d. $\frac{1}{5}$

3. Given the set R = {**1,2,3,4,5,6,7,8,9,10,11,12**}, determine the probability of getting an even number?
   a. $\frac{1}{2}$ b. $\frac{1}{3}$ c. $\frac{1}{4}$ d. $\frac{1}{5}$

4. Crizna is asked to choose a day from a week. What is the probability of choosing a day which starts with S?
   a. $\frac{1}{7}$ b. $\frac{2}{7}$ c. $\frac{3}{7}$ d. $\frac{4}{7}$

For numbers 5 to 10.

One of the following names will be drawn from a name picker:

Aiah, Colet, Maloi, Gwen, Stacey, Mikha, Jhoanna, and Sheena.

Determine the probability for each scenario below. Choose your answer from the given options.

a. 0   b. $\frac{1}{2}$ c. $\frac{1}{4}$ d. $\frac{1}{8}$ e. $\frac{3}{8}$ f. $\frac{5}{8}$

5. P(5-letter name) =

6. P(name ending with A) =

7. P(7-letter name) =

8. P(name starting with T) =

9. P(name containing with H)=

10. P(name containing with Z)=

HOW DO YOU FEEL ABOUT TODAY'S LESSON?

I NEED MORE

I'M GETTING

I GOT IT!

-ARSBL-