Pre-test **Unit Probability** **Time 10 minutes**

Subject Mathematics Semester 1 **Mathayomsuksa 3** **Questions 10**

Direction: Choose the best answer.

1. Which event is 50% likely to occur? (Understand, MA 3.1 G.9/2)

A. The Sun rises in the East.

B. baby drinks milk every day.

C. Flip a coin and get head.

D. Snow falls in Bangkok.

2. Which is the total number of possible outcomes of randomly picking 1 letter card from the box? In which are the cards of letters spelling “WHITE”. (Analysis, MA 3.1 G.9/2)

A. 4 B. 5 C. 6 D. 7

Pre-test **Unit Probability** **Time 10 minutes**

Subject Mathematics Semester 1 **Mathayomsuksa 3** **Questions 10**

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3. What is the total number of possible outcomes of randomly drawing a number from 1 to 100 and getting at least 72? (Analysis, MA 3.1 G.9/2)

A. 28 B. 29 C. 30 D. 72

4. What is the sample space for having 2 children in a family? (M = male child and F = female child) (Analysis, MA 3.1 G.9/2)

A. M, F
B. MM, MF, FM, FF
C. MF, FM
D. All are correct

5. What is the probability of picking a card from a deck and getting the King of Spade card? (Understand, MA 3.1 G.9/2)

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Subject Mathematics Semester 1 **Mathayomsuksa 3** **Questions 10**

A. $\frac{1}{4}$

B. $\frac{1}{13}$

C. $\frac{1}{26}$

D. $\frac{1}{52}$

6. A bag contains X blue marbles and 7 yellow marbles. If a marble is to be picked randomly, what is the probability that the picked one is blue? (Analysis, MA 3.1 G.9/2)

A. $\frac{7}{x+7}$

B. $\frac{7}{x-7}$

C. $\frac{x-7}{x}$

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D. $\frac{x}{x+7}$

7. What is the probability of rolling a dice two times and getting the sum of points equal to 8 or more? (Analysis, MA 3.1 G.9/2)

A. $\frac{15}{36}$

B. $\frac{18}{36}$

C. $\frac{21}{36}$

D. $\frac{24}{36}$

8. What is the probability of getting a head and an odd number from tossing a coin and dice once? (Analysis, MA 3.1 G.9/2)

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Subject Mathematics Semester 1 **Mathayomsuksa 3** **Questions 10**

A. $\frac{1}{2}$

B. $\frac{1}{3}$

C. $\frac{1}{4}$

D. $\frac{1}{6}$

9. A coin is tossed ten times. Find the expected value of the number of heads.

(Understand, MA 3.1 G.9/2)

A. 5

B. 10

C. 15

D. 20

Pre-test **Unit Probability** **Time 10 minutes**

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10. From a group of 12 people consisting of 3 men, 5 women, 1 boy, and 3 girls, a person is to be selected at random. What is the probability that the selected one is a male?

(Application, MA 3.1 G.9/2)

A. $\frac{1}{12}$

B. $\frac{1}{4}$

C. $\frac{1}{3}$

D. $\frac{5}{12}$