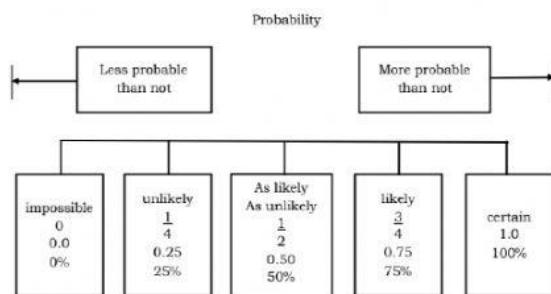


Describe the meaning of probability such as 50% chance of rain and one in a million chance of winning (M6SP-IVg-19)

Probability is used to describe how likely or unlikely something will happen. Probability may be given in fraction, decimal, or percent.

- The event is most unlikely to happen when its probability is closer to 0 – 0.5.
- The event is most likely to happen if its probability is between 0.5 and 1.
- The probability of an event can be described as "as likely as unlikely" when the chance of it to happen is the same as to the chance that it will not occur. Its probability is 0.50 or 50%.
- An event that is certain will surely happen. Its probability is equal to 1 or 100%.
- An impossible event cannot happen. Its probability is 0 or 0%.



Direction: Choose the letter of the correct answer.

For items 1 - 4. A bag contains ten black marbles, twenty white marbles, and five blue marbles.

1. What is the probability of picking green marbles?
A. 0 B. $\frac{1}{7}$ C. $\frac{2}{7}$ D. $\frac{4}{7}$
2. What is the probability of picking blue marbles?
A. 0 B. $\frac{1}{7}$ C. $\frac{2}{7}$ D. $\frac{4}{7}$
3. What is the probability of picking white marbles?
A. 0 B. $\frac{1}{7}$ C. $\frac{2}{7}$ D. $\frac{4}{7}$
4. What is the probability of picking black marbles?
A. 0 B. $\frac{1}{7}$ C. $\frac{2}{7}$ D. $\frac{4}{7}$
5. Which weather forecasts that rain is likely to happen tomorrow?
A. the probability of rain tomorrow is 50% C. 30% chance of rain tomorrow
B. rain is uncertain tomorrow D. Ninety percent chance of rain tomorrow.
6. The chance that it will snow in Manila by December, is
A. certain C. most likely to happen
B. likely to happen D. impossible to happen
7. In tossing a coin, the chance to have a Head (H) or a Tail (T) has a _____.
A. 50-50 probability C. 30-20 probability
B. 60-40 probability D. zero probability

A.

Head	5
Tail	11

B.

Head	3
Tail	7

C.

Head	6
Tail	5

D.

Head	4
Tail	4

8. Pedro tossed a coin 10 times and the results were recorded in the table. Which table shows the correct recording?

9. Jacob constructed the geometric figures inside the box. What will be the possibility of Jacob choosing the following 8 shapes?

- A. 2 triangles, 2 squares, 3 rectangles and 0 circles
- B. 3 triangles, 3 circles, 2 rectangles and 1 circle
- C. 1 circle, 3 rectangles, 2 squares and 2 triangles
- D. 2 circle, 3 triangles, 1 squares and 2 rectangles

A jar contains 12 caramel, 7 mints and 16 chocolates

10. What is the probability of selecting a mint, expressed as a fraction?

A. $\frac{1}{5}$

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

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

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