

Math 6

NAME _____

Worksheet 6

DATE : _____

SECTION : _____

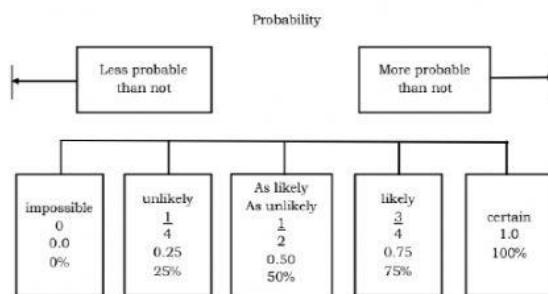
SCORE : _____

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

MONDAY

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:**

Answer the following questions. Use impossible, most unlikely, as likely as unlikely, most likely, or certain to describe each statement.

- _____ 1. What is the probability that you will get wet by standing under a heavy rain without a raincoat or an umbrella?
- _____ 2. The sun will set in the east.
- _____ 3. What is the probability of you getting the jackpot in a lottery?
- _____ 4. What is the probability that you will see a rainbow?
- _____ 5. What is the probability that a turtle will grow wings and fly?
- _____ 6. You will be older tomorrow than you are today.
- _____ 7. What is the probability that the sun will shine tomorrow?
- _____ 8. What is the probability that the fish can walk?
- _____ 9. The right answer on a true/false question is true.
- _____ 10. It will rain orange juice tomorrow.

TUESDAY

Direction:: Complete the following statements.

1. _____ is used to describe how likely or unlikely it is that something will happen. It is the number that we use to describe and express that likelihood.
2. The event is _____ to happen when its probability is closer to 0.
3. The event is _____ to happen if its probability is closer to 1.
4. _____ events have the same chance of happening.
5. An event that is _____ must happen.
6. _____ outcomes are each of the outcomes that could result from an experiment