

Quiz: Theoretical Versus Empirical Probability

- 1 You roll a six sided cube (with numbers eleven through sixteen). What is the probability that the value of roll will be multiple of five?
- 2 Tom has 5 T-shirts and 7 sweaters in his wardrobe. What is the probability of selecting a T-shirt from his wardrobe?
- 3 Find the probability of randomly choosing the letter A from a bag that contains the letters in the name of RECTANGLE.
- 4 An event has a theoretical probability of 0.7. How many times is the event likely to occur in 90 trials?
- 5 If the probability of an event is $\frac{3}{5}$, what are the odds for the event?
- 6 One card is chosen at random from a deck. What is the probability of getting a club?
- 7 Out of 55 shirts, there are some shirts that are damaged. If the probability of picking up a good shirt is 50, then how many damaged shirts are there?
- 8 Use a fraction to express the probability that A is selected from the word NATIONAL.
- 9 Out of 200 plants, 70 had red flowers and 130 had green flowers. Find the probability of choosing a plant with red flowers.
- 10 A shelf contains 3 math books and 5 science books. What are the odds against selecting a science book from the shelf?

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%