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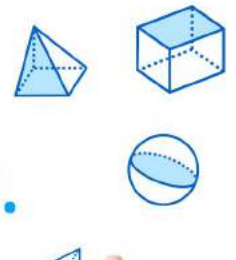

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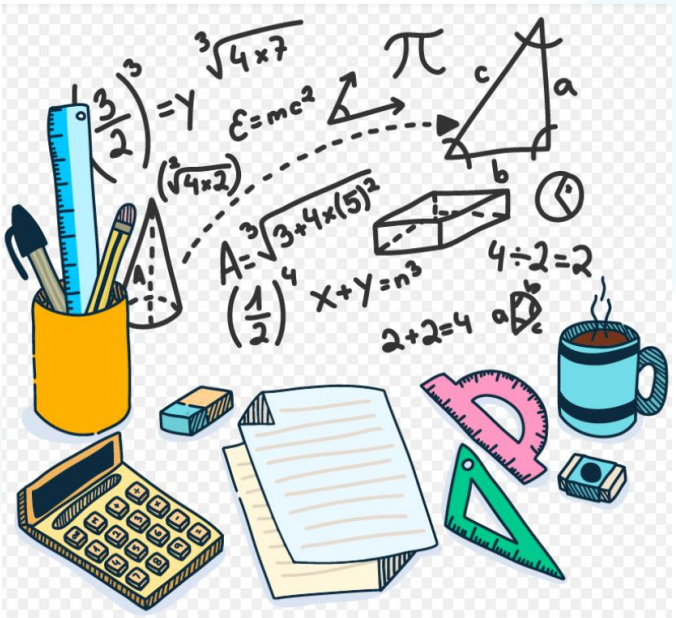
PROBABILITY WORKSHEETS

1. What is the total sample space if a consonant is to be picked from a set of english alphabets?

2. The probability of getting the same number, when two dice are rolled is _____.

3. John's probability of winning the game is 60%. What is the probability of John not winning the game?
(a) 20% (b) 40% (c) 60% (d) 80%



4. When two dice are rolled what is the probability of getting a sum of 12?

5. The probability of picking a number 9 from a pack of cards is _____.

6. A bag had 4 red balls, 6 red balls, and 7 blue balls. When a ball is picked from this bag, what is the probability of it being a red or a blue ball?
(a) 9/17 (b) 11/17 (c) 12/17 (d) 14/17

7. In a class there are 22 students who like tea, and 18 students like coffee. What is the probability that a student likes tea?

8. In a hotel there are 8 air conditioned rooms and 20 ordinary rooms. If a guest wishes to book an airconditioned room, what is the probability that he gets the air conditioned room?

9. In an entrance exam only three students are selected for every 100 students who appear for the examination. What is the percentage probability of success in the entrance?

10. Peter hits 2 shots right for every 5 shots. What is the probability of peter winning the game?

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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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ANSWERS

1)	21
2)	1/6
3)	(b) 40%
4)	P(sum of 12) = 1/18
5)	P(picking 9) = 1/13
6)	(b) 11/17

7)	P(like tea) = 11/20
8)	P(air conditioned room) = 2/7
9)	P(success) = 3%
10)	P(winning) = 1/2

FUN FACT

1. Artificial intelligence is used for a lot of predictions and these predictions are given as probabilities.
2. Probability values are always between 0 and 1.
3. Probability is used in flipping a coin, dice, playing cards, or any other games in which the outcomes are not sure.