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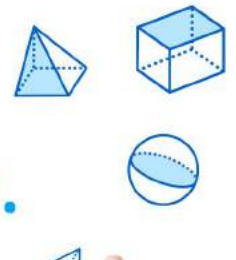

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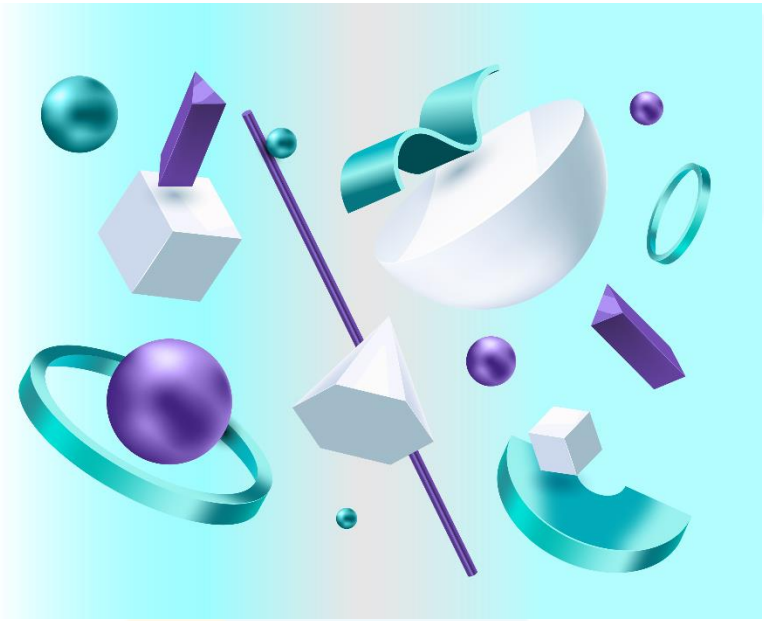
DICE PROBABILITY WORKSHEETS

1. Write the sample space of outcomes on rolling a dice?

2. Find the total number of outcomes, when three dice are rolled.

3. What is the probability of getting an odd number when a dice is rolled?



4. What is the probability of getting a composite number when a dice is rolled?

5. What is the probability of getting a number lesser than 4, when a dice is rolled?

6. What is the probability of getting a doublet when two dice are rolled?

7. What is the probability of getting a maximum sum of the outcome when two dice are rolled?

8. What is the probability that the sum of the outcomes is a multiple of 4 when two dice are rolled?

9. What is the probability that the sum of the outcomes is more than 8 when two dice are rolled?

10. What is the probability of getting an odd number on atleast one of the dice, when two dice are rolled?

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When you learn math in an interesting way, you never forget.

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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)	S = {1, 2, 3, 4, 5, 6}
2)	216
3)	½
4)	1/3
5)	½
6)	1/6

7)	1 / 36
8)	¼
9)	5 / 18
10)	3 / 4

FUN FACT

1. There are two kinds of dice, perfect or casino dice with sharp edges, and round cornered or imperfect dice.
2. Dice were used as early as 3000 BC, and were made either with animal bones or ivory.
3. The games involving dice are prone to cheating, with the same number duplicated on opposite faces. The combinations of 3-4-5, or 1-5-6 are used on opposite faces of the dice.