

Get better at Math.
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For Grades 1 - 10



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DICE PROBABILITY WORKSHEETS

1. Write the sample space of the outcomes when two dice are rolled?
2. What is the probability of getting a 4 when a dice is rolled?
3. What is the probability of getting a number less than or equal to six, when a dice is rolled?



4. The probability of getting the sum of outcomes as 9, when two dice are rolled is _____.
5. What is the probability of getting different outcomes, when two dice are rolled?
6. What is the probability of getting a multiple of 3 when a dice is rolled?
7. What is the probability of getting the sum of the outcomes less than 4, when two dice are rolled?
8. What is the probability that the sum of the outcomes is a multiple of 3, when two dice are rolled?
9. What is the probability of getting the same outcome on all the dice, when three dice are rolled?
10. What is the probability of getting an even number on both the dice when two dice are rolled?

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



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Math the right way

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Singapore, India, UAE & more.

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)	$\{(1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (2, 1), (2, 2), (2, 3), (2, 4), (2, 5), (2, 6), (3, 1), (3, 2), (3, 3), (3, 4), (3, 5), (3, 6), (4, 1), (4, 2), (4, 3), (4, 4), (4, 5), (4, 6), (5, 1), (5, 2), (5, 3), (5, 4), (5, 5), (5, 6), (6, 1), (6, 2), (6, 3), (6, 4), (6, 5), (6, 6)\}$
2)	$1/6$
3)	1
4)	$1/9$
5)	$5/6$
6)	$1/3$



7)	$1/6$
8)	$1/3$
9)	$1/36$
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.

