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For Grades 1 - 10



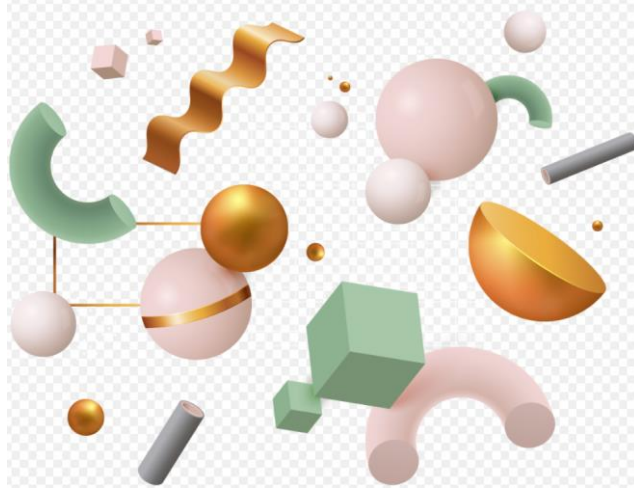
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## PROBABILITY WORKSHEETS

1. Find the sample space on tossing three coins.
2. How many cards are there in a pack of playing cards?



3. Cheryl's probability of getting a job is 60%. Express this as a probability fraction.  
(a)  $\frac{1}{2}$       (b)  $\frac{3}{5}$       (c)  $\frac{1}{5}$       (d)  $\frac{4}{5}$
4. The probability of getting an odd number on rolling a dice is \_\_\_\_.
5. What is the probability of picking a red card from a pack of cards?
6. A bag had 8 oranges and 4 apples. When a fruit is picked from the bag, what is the probability that it is an apple?  
(a)  $\frac{1}{2}$       (b)  $\frac{1}{5}$       (c)  $\frac{1}{4}$       (d)  $\frac{1}{3}$
7. Marry has six pairs of sandals, of which two are in red, three are in black, and one is in blue color. The probability that Marry wears a red sandal for the party is \_\_\_\_.
8. In a class 12 students like outdoor games, and 18 students like indoor games. What is the probability that a student likes an outdoor game?
9. A mechanic fits 8 screws correctly and 2 screw wrongly, while fitting an automobile. What is the probability that the mechanic makes a mistake while

fitting the automobile?

10. Ron plays for 11 matches and wins across 3 matches. What is the probability of Ron winning the tournament?



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in an interesting way,  
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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)	8 outcomes
2)	52
3)	(b) $\frac{3}{5}$
4)	$\frac{1}{2}$
5)	$\frac{1}{2}$
6)	(d) $\frac{1}{3}$

7)	$1/3$
8)	$2/5$
9)	$1/5$
10)	$3/11$

## 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.

