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For Grades 1 - 10



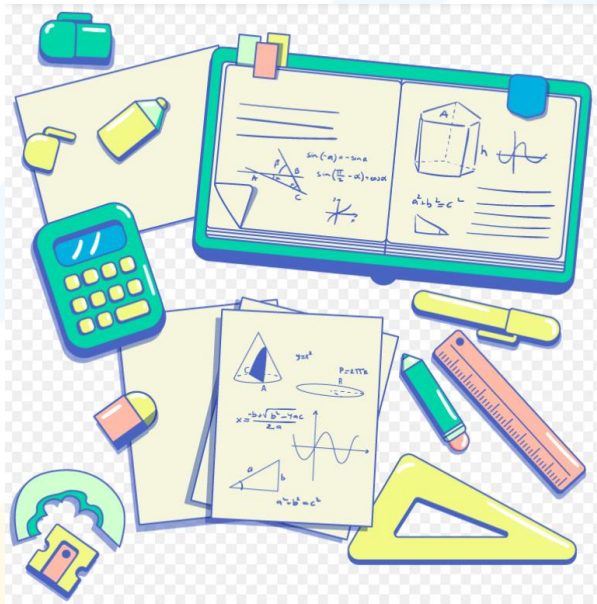
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Probability Worksheets Grade 8

- Find the sample space on rolling a dice.
- How many hearts are there in a pack of playing cards?
(a) 4 (b) 13 (c) 26 (d) 52
- Diya's chances of winning the game are only 40%.
Express this as a probability fraction.
- The probability of getting an even number when a dice is rolled is ____.
- What is the probability of getting a heads when a coin is tossed?



- A group of friends have 3 boys and 2 girls. If one person is made the captain of the team, what is the probability of it being a girl?
(a) $1/5$ (b) $3/5$ (c) $2/5$ (d) $1/2$
- Peter has two red pens, five blue pens, and two black pens. Without looking at the pens, Peter closes his eyes and picks a pen. The probability that the pen picked by Peter is red pen is ____.
- In a society there are 30 men and 20 women members. What is the probability that the person selected for the post of the president is a woman?
- A cook while preparing noodles adds the right ingredients for nine times and makes an error is adding the ingredients for three times. What is the

probability that the cook adds the right ingredients and cooks well?

10. John plays 15 matches and wins across 12 matches. Find the probability of John winning the match?



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)	$\{1, 2, 3, 4, 5, 6\}$
2)	(b) 13
3)	$\frac{2}{5}$
4)	$\frac{1}{2}$
5)	$\frac{1}{2}$
6)	(c) $\frac{2}{5}$

7)	$\frac{2}{9}$
8)	$\frac{2}{5}$
9)	$\frac{3}{4}$
10)	$\frac{3}{5}$

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.

