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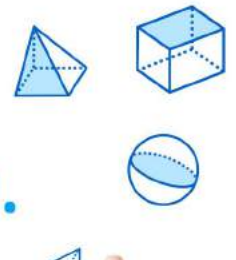

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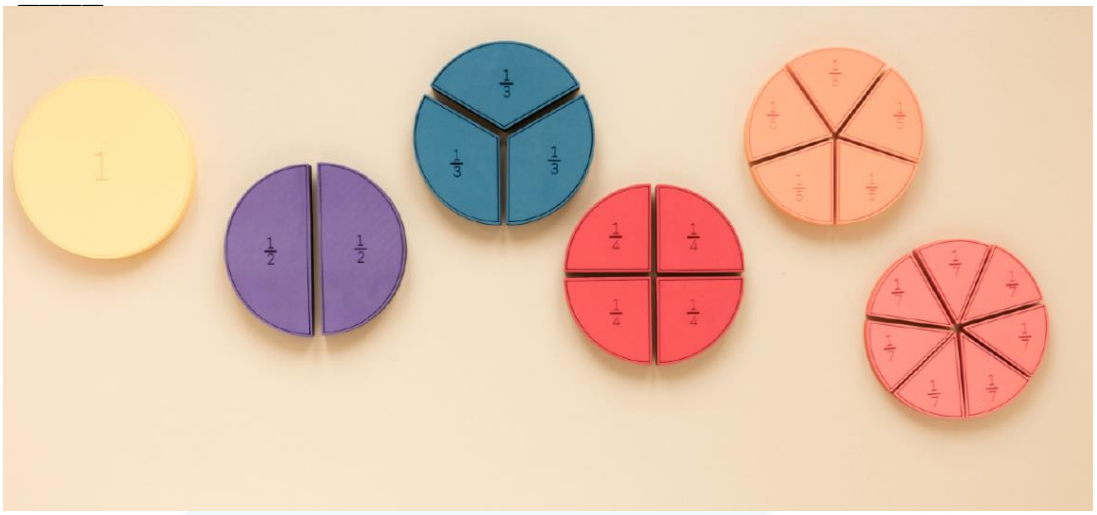
Probability Worksheets Grade 8

1. Find the sample space on tossing two coins.

2. The total number of outcomes on rolling two dice is ____.



3. Sam's probability of winning the game is 80%. Express this as a probability fraction.
   (a) ¼ (b) 1/5 (c) 4/5 (d) 3/5

4. When a dice is rolled what is the probability of getting an even number?
   (a) ½ (b) 1/3 (c) ¼ (d) 1/5

5. What is the probability of picking a number 5 from a pack of cards?

6. A bag had 5 red balls and 4 blue balls, and a ball is picked at random from the bag. The probability of the ball being a blue ball is _____.

7. In a class there are 15 boys and 10 girls. When a teacher calls out the name of a student, what is the probability that it is the name of a girl?

8. Irvin has five t-shirts of which three are old and two are new. What is the probability that Irvin wears a new t-shirt to visit his friend's home?
   (a) ½ (b) 1/3 (c) ¼ (d) 1/5

9. A carpenter is trying to hit a nail with a hammer. For every ten shorts he correctly hits the nail for six times and misses it for four times. What is the probability that the carpenter rightly hits the nail?

10. Samuel wins 5 matches out of 8 matches. What is the probability of his winning the tournament?

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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)	{(H, H), (H, T), (T, H), (T, T)}
2)	36
3)	(c) 4/5
4)	(a) ½
5)	1/13
6)	4/9

7)	2 / 5
8)	(d) 2 / 5
9)	3 / 5
10)	5 / 8

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.