

Get better at Math.  
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For Grades 1 - 10



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## 6<sup>TH</sup> GRADE PROBABILITY WORKSHEETS

1. Find the sample space on tossing two coins.
2. What are the total number of outcomes on rolling two dice?
3. Sam's probability of winning the game is 80%. Express this as a probability fraction.
4. When a dice is rolled what is the probability of getting an even number?



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. When a ball is picked from this bag, what is the probability of it being a blue ball?
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?



9. A carpenter is trying to hit a nail with a hammer. For every ten shots 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?



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)	$\frac{4}{5}$
4)	$\frac{1}{2}$
5)	$\frac{1}{13}$
6)	$\frac{4}{9}$

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

## FUN FACT

1.

2.

3.

