

What you will learn about:
Basic Probability

36 Dice Combinations

1-1	2-1	3-1	4-1	5-1	6-1
1-2	2-2	3-2	4-2	5-2	6-2
1-3	2-3	3-3	4-3	5-3	6-3
1-4	2-4	3-4	4-4	5-4	6-4
1-5	2-5	3-5	4-5	5-5	6-5
1-6	2-6	3-6	4-6	5-6	6-6

Deck of Cards (52)

Hearts (Red)	Diamonds (Red)	Club (Black)	Spade (Black)
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
Jack	Jack	Jack	Jack
Queen	Queen	Queen	Queen
King	King	King	King
Ace	Ace	Ace	Ace

Using the fact that there are a total of 36 combinations for rolling two dice, answer the following questions.

What is the probability of rolling 2 dice and getting a product greater than 15?

What is the probability of rolling 2 dice and getting a sum greater than 6?

What is the probability of rolling 2 dice and getting a sum of 7?

What is the probability of rolling 2 dice and getting doubles?

Using the fact that there are 52 playing cards in a deck of cards answer the following questions.

What is the probability of drawing a 10 from a deck of 52 cards?