

Probability

Exam Style



1. To win a game you must roll two dice and get a number larger than 9. What is the probability of winning the game?

2. A survey is done on the kinds of hot beverage that customers in a shop order.

Americano	Tea	Mocha	Cappuccino	Latte
35	20	10	12	13

What is the probability that a customer selected at random ordered a tea?

3. If you spin a dial twice with number 1-8 on it, what is the probability the numbers add up to a number less than or equal to 4?



4. Given there are 52 cards in a deck of cards. After removing the ace of spades, what is the possibility of picking out a spade card.

5. If you roll two dice and multiply the answer, what is the probability the number is 6 or less?

6. If you roll a dice and spin the spinner with numbers 1-8. What is the probability that the numbers add up to a number greater than 10?

7. A survey is done on the different colours of cars, vans and lorries that pass down the motorway.

	Black	Red	White
Car	32	14	18
Van	2	4	24
Lorry	30	2	8

What is the probability that a vehicle picked at random is a **White Van**?

8. A staff worker records the types of fuel that people buy and if it was a man or a woman.

	Diesel	Unleaded	Super Unleaded
Man	15	20	22
Woman	13	16	14

What is the probability that a man picked at random buys **Diesel**.

9. To win a game, you must flip a coin and roll a dice. You only win if you

- Get a tails and a 2, or
- Get a head and a 4 or 5.

What is the probability of winning the game?

10. To win a game, you must flip a coin and spin the dial with numbers 1-10 on it. You only win if you

- Get a tails and an odd numbers
- Get a head and a 1 or 10.

What is the probability of winning the game?