

24th October



Corbettmaths

55% students in a school are boys.

What percentage are girls?

45%

There are 300 students in the school.

$$50\% = 150$$

$$5\% = 15$$

How many boys are there?

165

the cube root of 64

4

The distance between two cities is 2898 miles.

The plane journey took 6 hours.

Calculate the average speed of the plane.

$$s = \frac{d}{t}$$

$$= \frac{2898}{6}$$

$$= 483 \text{ mph}$$

Two fair six-sided dice are rolled.
The score is **difference** between the numbers on each dice.

Complete the table to show all possible scores.

		Dice 1					
		1	2	3	4	5	6
Dice 2	1	0	1	2	3	4	5
	2	1	0	1	2	3	4
	3	2	1	0	1	2	3
	4	3	2	1	0	1	2
	5	4	3	2	1	0	1
	6	5	4	3	2	1	0

Find the probability of scoring a 2

$$\frac{8}{36} = \frac{4}{18} = \frac{2}{9}$$

Find the probability of scoring a number less than 3

$$\frac{24}{36} = \frac{2}{3}$$