

18th May



Corbettmaths

The ratio of teachers to children needed on a school trip is 1:6

45 children want to go on the trip.

What is the smallest number of teachers needed?

$$T : C$$

$$1 : 6$$

$$7.5 : 45$$

$$45 \div 6 =$$

8 teachers are needed.

Mrs Reed buys a car costing £11760
This cost includes VAT at a rate of 20%.

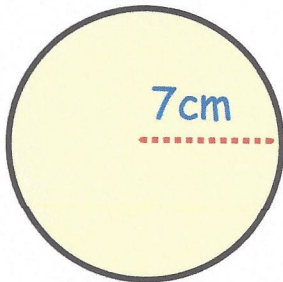
How much is the VAT?

$$120\% = 11760$$

$$1\% = 98$$

$$100\% = 9800$$

$$11760 - 9800 = \pounds 1960$$



Find the area of the circle.
Give your answer in terms of π

$$\pi \times 7^2$$

$$49\pi \text{ cm}^2$$

Simon rolls a fair six-sided dice 30 times.
He records the results in a table, however misses two of the frequencies.

The mean result is 3.5

$$30 \times 3.5 = 105$$

Number	Frequency
1	6
2	3
3	5
4	4
5	x
6	6

6
6
15
8
2
36

Work out the two missing numbers.

$$y + x = 10$$

$$4y + 5x = 42$$

$$4y + 5x = 42$$

$$4y + 4x = 40$$

$$x = 2$$

$$y = 8$$