

3rd August

Corbettmaths

Solve $(x + 3)(x + 5) = 0$

$$x = -3 \text{ or } x = -5$$

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

How much is the car without VAT?

$$\begin{aligned} 120\% &= 11760 \\ 1\% &= 98 \\ 100\% &= 9800 \\ \pounds 9800 \end{aligned}$$

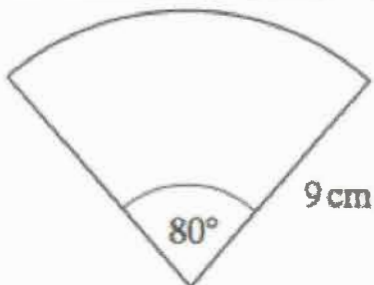
150 students in Years 10 and 11 visit a school canteen.

Some students have packed lunches.
Some students have a cooked lunch.

56 out of the 89 students who have packed lunch are in Year 10.
There are 72 Year 11 students.

Work out how many Year 10 students have a cooked lunch.

	Packed	Cooked	Total
Y11	33	39	72
Y10	56	22	78
Total	89	61	150



Calculate the area of the sector

$$\frac{80}{360} \times \pi \times 9^2$$

$$56.55 \text{ cm}^2$$