

27th October

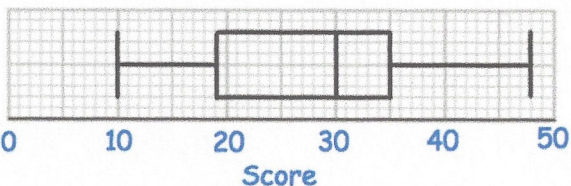


Corbettmaths

There are 40 children at a youth club.
 There are 23 girls.
 9 girls play rounders.
 4 boys do not play rounders.
 How many boys play rounders at the youth club?

13

	B	G	T
Play	13	9	22
do not play	4	14	18
T	17	23	40

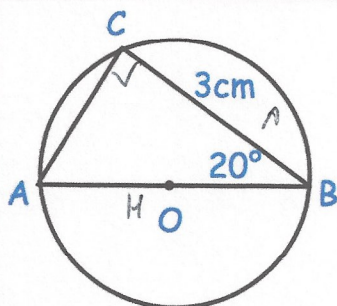


Find the range.

$$48 - 10 = 38$$

Write down the median.

30



CAH
 $H = \frac{3}{\cos 20}$

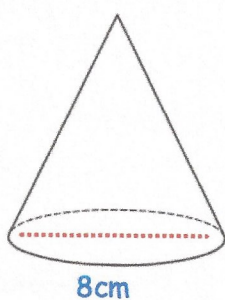
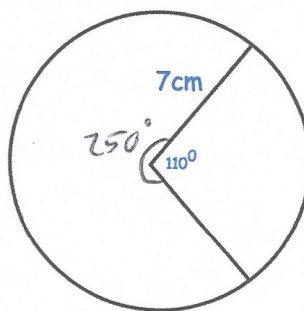
Find the size of the diameter, AB.

3.1925 cm

Calculate the area of the major sector. The minor sector has angle 110 degrees.

$$\frac{250}{360} \times \pi \times 7^2$$

$$106.9 \text{ cm}^2$$



10cm

8cm

Calculate the volume of the cone.

$$V = \frac{1}{3} \times \pi \times r^2 \times h$$

$$= 167.55 \text{ cm}^3$$