

28th May

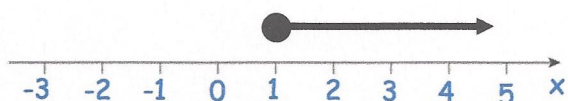


Corbettmaths

Work out

$$\sqrt[4]{81}$$

3



$$x \geq 1$$

Write down the inequality shown in the diagram.

Doughnuts are sold in boxes or bags. Michael has bought 32 boxes and 18 bags of doughnuts.

The mean number of doughnuts in the 18 bags is 9. $18 \times 9 = 162$
Work out the mean number of doughnuts in a box.

The mean number of doughnuts in all 50 boxes and bags is 18.6

$$50 \times 18.6 = 930$$

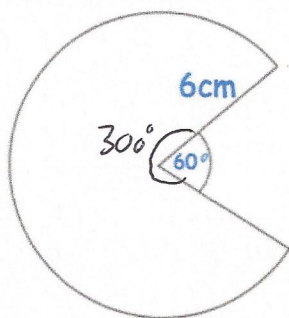
$$930 - 162 = 768$$

$$768 \div 32 = \underline{\underline{24}}$$

A penny weighs 0.0036kg. Find the total mass of £400 worth of pennies.

$$40000 \times 0.0036$$

$$= 144 \text{ kg}$$



$$\frac{300}{360} \times \pi \times 12$$

$$= 31.415\dots$$

Calculate the perimeter of the sector.

$$31.415\dots + 6 + 6$$

$$43.416 \text{ cm}$$