

12th March



Corbettmaths

Write down an estimate for $\sqrt{51}$

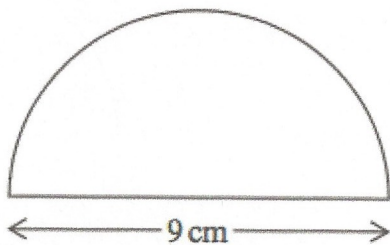
$$\approx 7.1$$

Last month James weighed 75kg
This month James weighs 78kg

Calculate the percentage increase.

$$\frac{3}{75} \times 100$$

$$= 4\%$$

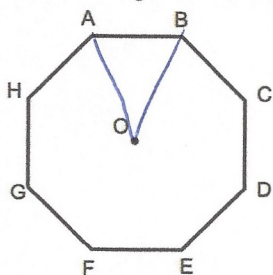


Calculate the area

$$\frac{1}{2} \times \pi \times 4.5^2$$

$$31.809 \text{ cm}^2$$

ABCDEFGH is a regular octagon.



Calculate the size of angle AOB.

$$360 \div 8 = 45^\circ$$

Calculate the size of angle ABC.

$$(8-2) \times 180 = 1080$$

$$1080 \div 8 = 135^\circ$$

Mrs Holland wants to paint her garage wall.

Each can of paint covers 5m^2 .

Each can costs £7.50

How much will it cost Mrs Holland to paint her garage wall?

The wall measures $6\frac{2}{3}\text{m}$ by $3\frac{1}{7}\text{m}$

$$6\frac{2}{3} \times 3\frac{1}{7} = \frac{20}{3} \times \frac{22}{7}$$

$$= \frac{440}{21} = 20\frac{20}{21}$$

$$5 \text{ cans} \times \pounds 7.50$$

$$\pounds 37.50$$