

15th August



Corbettmaths

100 people play a game that costs £1.

The probability of winning is 0.1

The prize is £4.

Calculate how much profit the game makes.

$$100 \times 0.1 = 10 \text{ winners}$$

$$100 \times 1 = \text{£}100$$

$$10 \times \text{£}4 = \text{£}40$$

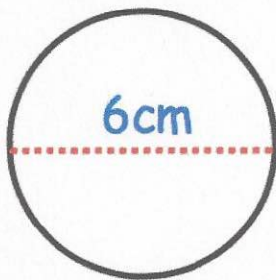
£60 profit

4kg of tomatoes is £4.80

How much does 3kg cost?

$$\text{£}4.80 \div 4 = \text{£}1.20$$

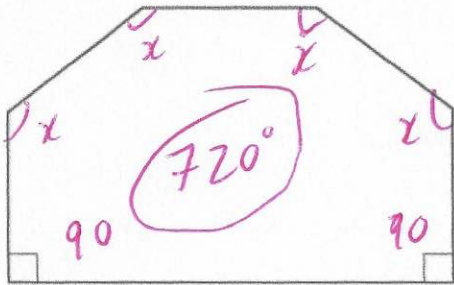
$$\text{£}1.20 \times 3 = \text{£}3.60$$



Calculate the circumference of this circle, to one decimal place.

$$\pi \times 6 =$$

$$18.8 \text{ cm}$$



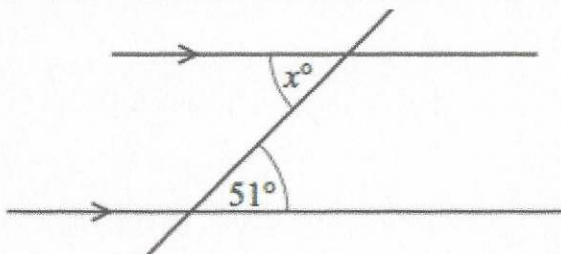
The front of a house is in the shape of a hexagon with two right angles.

The other four angles are all the same size.

Calculate the size of one of these angles.

$$720 - 180 = 540^\circ$$

$$540^\circ \div 4 = 135^\circ$$



Find x

$$51^\circ$$

Reason

alternate angles