

14th March

Foundation Plus 5-a-day



Corbettmaths

The size of an interior angle, for a regular polygon, is  $178^\circ$

$$180 - 178 = 2^\circ$$

← exterior angle

How many sides does it have?

$$360 \div 2 = 180 \text{ sides}$$

Write 713000 in standard form

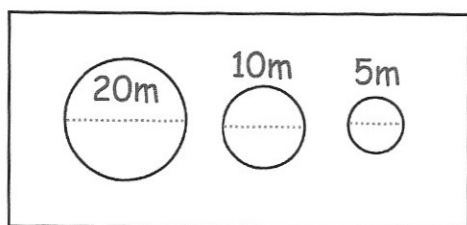
$$7.13 \times 10^5$$

Write 4 billion in standard form.

$$4000000000$$

$$4 \times 10^9$$

45m



100m

A rectangular lawn is 100m long and 45m wide.

There are 3 circular ponds, with radii 20m, 10m and 5m respectively.

Mrs Jones wants to cover the lawn with grass seed.

Each packet of grass seed covers  $75\text{m}^2$  and costs £4.49

How much will it cost Mrs Jones to cover the lawn with grass seed?

$$45 \times 100 = 4500\text{m}^2$$

$$\pi \times 20^2 = 314.159\dots$$

$$\pi \times 10^2 = 78.539\dots$$

$$\pi \times 5^2 = 19.634\dots$$

$$\underline{412.33\dots}$$

$$4500 - 412.33\dots = 4087.66\dots\text{m}^2$$

$$4087.66\dots\text{m}^2 \div 75 = 54.5\dots$$

$$55 \times \text{£}4.49 = \text{£}246.95$$

Find an equation of the line parallel to  $y = 2x - 1$  and passing through (0, 4)

$$y = 2x + 4$$