

14th March



Corbettmaths

The size of an interior angle, for a regular polygon, is 178° .

$180 - 178 = 2^\circ$

exterior angle

How many sides does it have?

$360 \div 2 = 180$ sides

Write 713000 in standard form

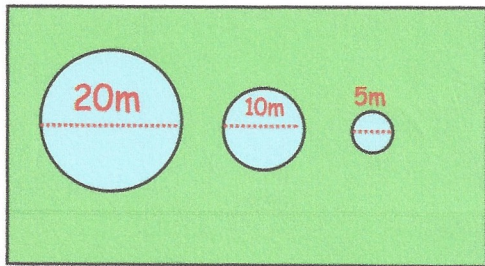
7.13×10^5

Write 4 billion in standard form.

4000000000

4×10^9

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 $7m^2$ and costs £4.49

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

$45 \times 100 = 4500 m^2$

$\pi \times 10^2 = 314.159...$

$\pi \times 5^2 = 78.539...$

$\pi \times 2.5^2 = 19.634...$

\rightarrow
412.33...

$4500 - 412.33... = 4087.66 m^2$

$4087.66 \div 7 = 583.95...$

$584 \times 4.49 = \underline{\underline{£2622.16}}$

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

$y = 2x + 4$