



A is directly proportional to B cubed.

When $A = 80$, $B = 2$

Find A when $B = 10$

$$A \propto B^3$$

$$A = kB^3$$

$$80 = k \times 8$$

$$k = 10$$

$$A = 10B^3$$

$$A = 10 \times 10^3$$

$$A = 10000$$

Dani writes down a 5 digit odd number.
The number is less than 30000.

How many different possible numbers
could Dani have written down?

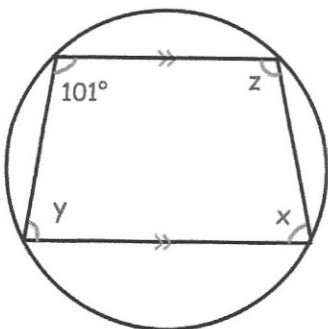
$$\begin{array}{cccccc} 1^{st} & 2^{nd} & 3^{rd} & 4^{th} & 5^{th} & \\ 2 & \times 10 & \times 10 & \times 10 & \times 5 & \end{array}$$

$$10000$$

Factorise

$$2x^2 + 3x - 5$$

$$(2x+5)(x-1)$$



Find x

$$x = 79^\circ$$

Find y

$$y = 79^\circ$$

Find z

$$z = 101^\circ$$