

6th October



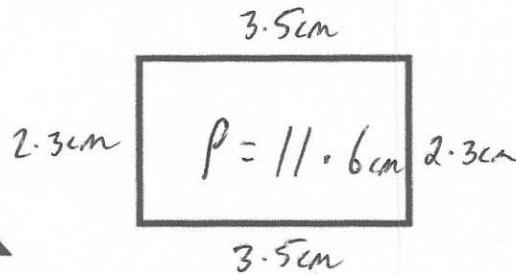
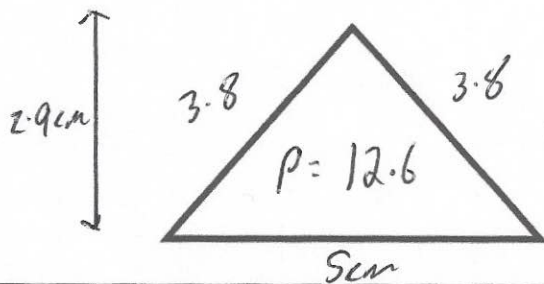
Corbettmaths

-7°C -4°C 2°C 12°C -3°C

What is the difference between the coldest and warmest temperature?

$$12 - -7 = 19^{\circ}\text{C}$$

The shape below are drawn accurately



Does the rectangle or the triangle have the largest perimeter?

~~The rectangle~~

The triangle

Does the rectangle or the triangle have the largest area?

$$R: 2.3 \times 3.5 = 8.05 \text{ cm}^2$$

$$T: \frac{1}{2} \times 5 \times 2.9 = 7.25 \text{ cm}^2$$

The rectangle

Don says

"the difference between two consecutive cube numbers is always odd."

Is Don correct?

You must show your workings.

$$1 \quad 8 \quad 27 \quad 64 \quad 125$$

$$8 - 1 = 7$$

$$27 - 8 = 19$$

$$64 - 27 = 37$$

etc yes

Simplify

$$y^8 \times y^{-2}$$

$$y^6$$

Simplify

$$2ay \times 4a$$

$$8a^2y$$