



The mean of six numbers is 5.

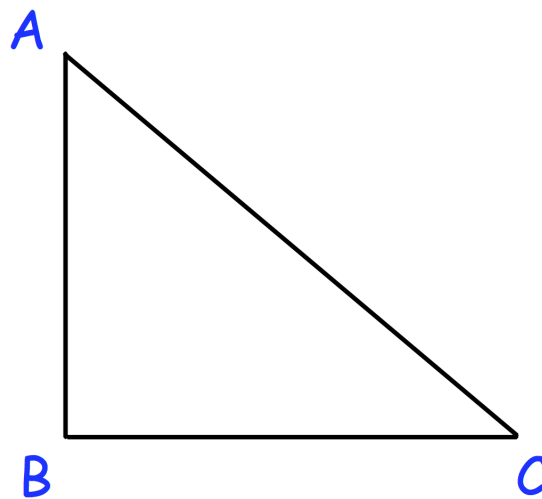
Five of the numbers are
6, 6, 5, 3 and 1.

Work out the sixth number.

The point D is inside triangle ABC.

D is less than 4cm from A and is less than 6cm from C.

Show on the diagram the region of possible positions of D.



Klaudia has a full 800ml bottle of car shampoo. She is going to mix some of the car shampoo with water. The bottle has this guidance

Car Shampoo - 800ml

**Mix $\frac{1}{4}$ of the car shampoo
with 1.8 litres of water**

Klaudia is going to use 720ml of water.
How much car shampoo should Klaudia use?

A solid sphere with radius of length 5cm, is made from a material with density 4.2g/cm^3

Calculate the mass of the sphere.