

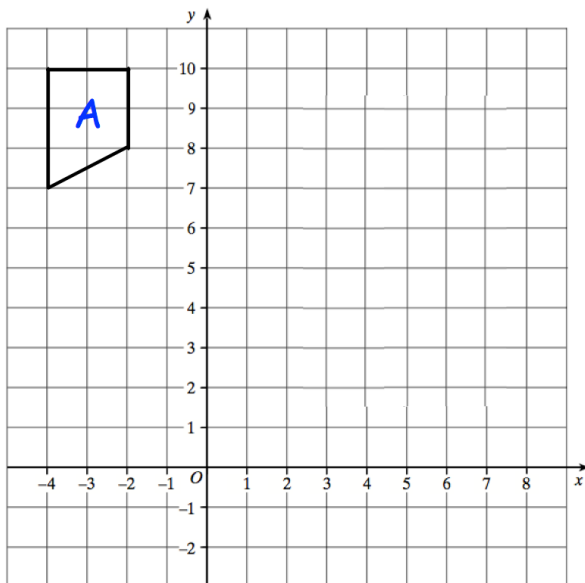
**5th December**

Corbettmaths

A fish tank sprung a leak and loses 45% of its water.  
There is now 363 litres of water in the fish tank.

How much water was in the fish tank before the leak?

The cost of buying a coffee and a tea in a cafe is £4  
The cost of buying a coffee and three teas in a cafe is £7  
Work out the cost of buying a coffee and the cost of buying a tea.



Enlarge the triangle by scale factor  $-1.5$ , using centre of enlargement  $(0, 6)$

Work out

$$16^{\frac{3}{2}}$$