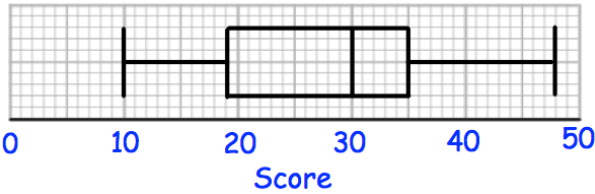


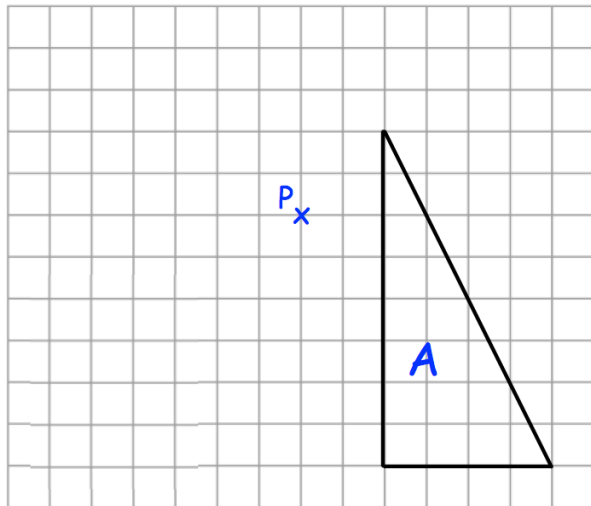
2nd October



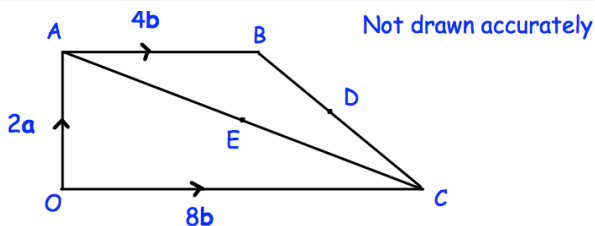
Corbettmaths



Write down the median score



Enlarge shape A by scale factor  $-\frac{1}{2}$ , using the point P as centre of enlargement.



Point D is the midpoint of BC.  
Point E is the midpoint of AC.

Write down a vector for  $\vec{AC}$

The final velocity of a traveling object is given by the formula

$$v = u + at$$

where  $v$  is the final velocity  
 $u$  is the initial velocity  
 $a$  is the acceleration  
and  $t$  is the time

Given  $u = 2.4$  m/s correct to 2 significant figures,  
 $a = 12$  m/s<sup>2</sup> correct to 2 significant figures,  
and  $t = 5$  seconds correct to 1 significant figure.

Calculate the lower bound for  $v$ .