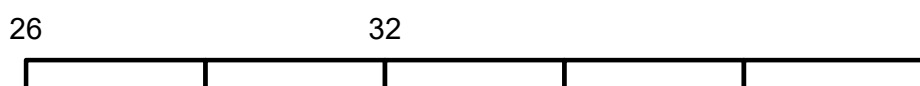
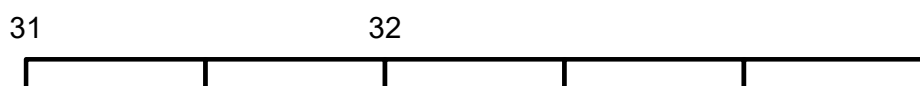
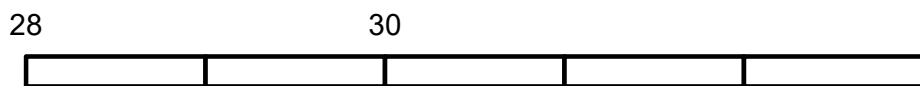
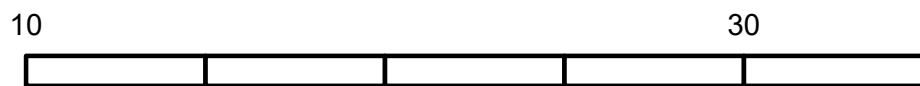
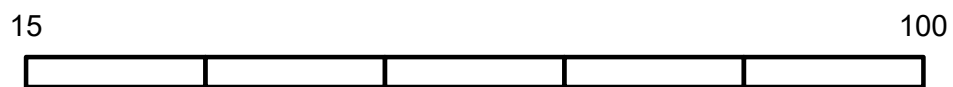
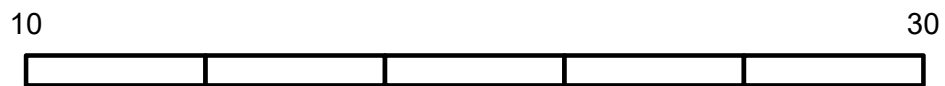
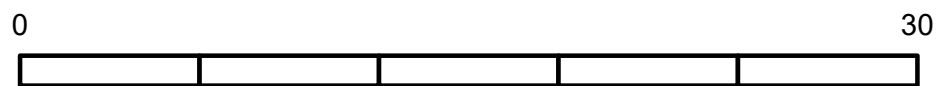
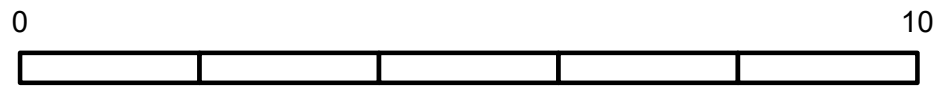
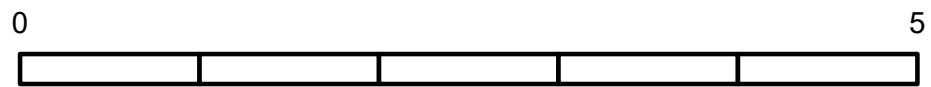
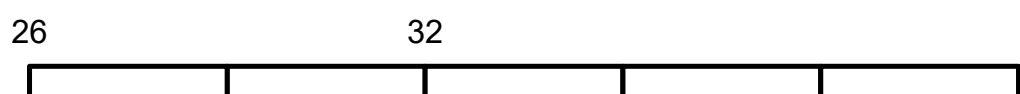
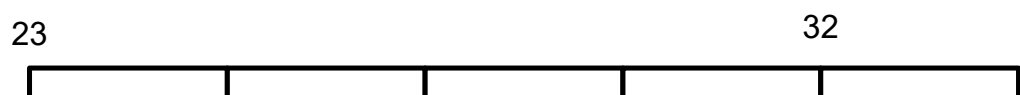
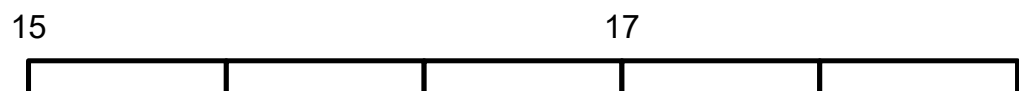
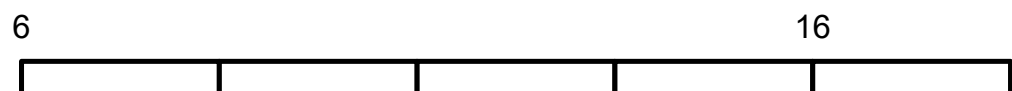
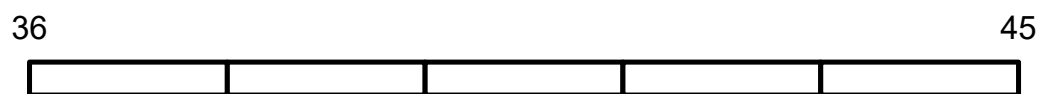
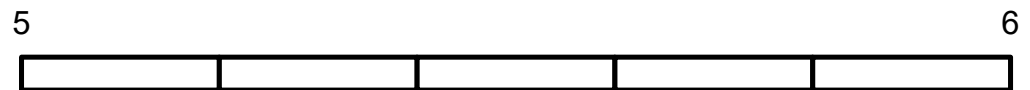
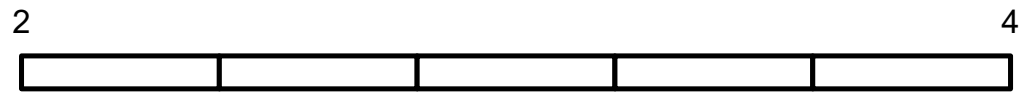


Lines

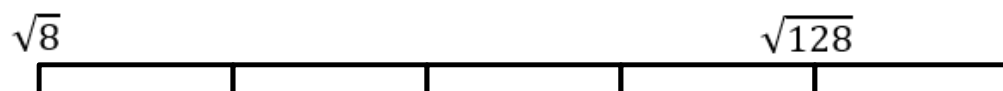
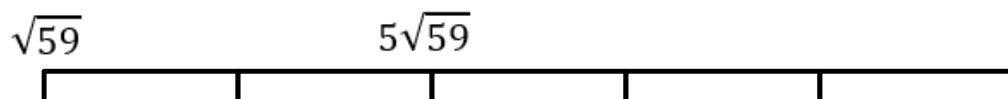
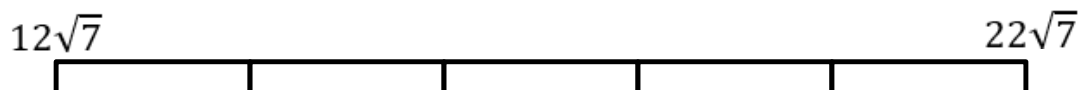
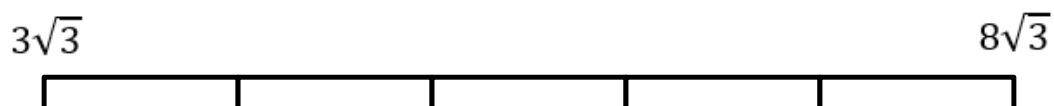
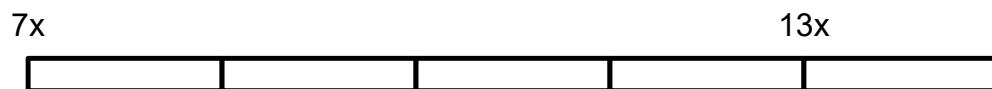
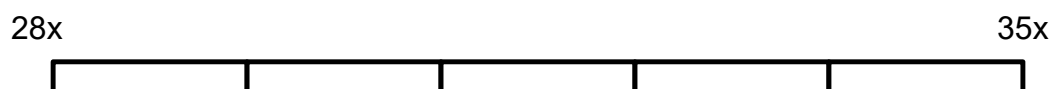
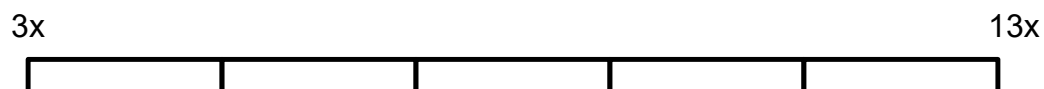
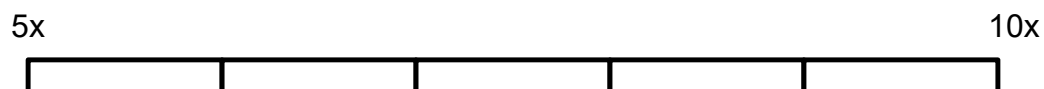
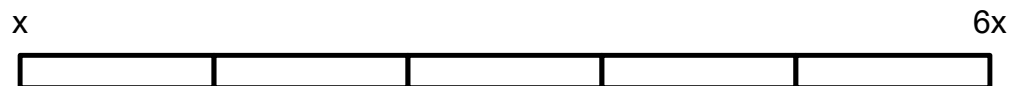
1 Label each division on the lines below.



2 Label each of the divisions on the lines below.



3 Label the following divisions



4 Find the midpoints of the following lines.

$(14,0)$  $(16,0)$

$(4,0)$  $(12,0)$

$(-14,0)$  $(0,0)$

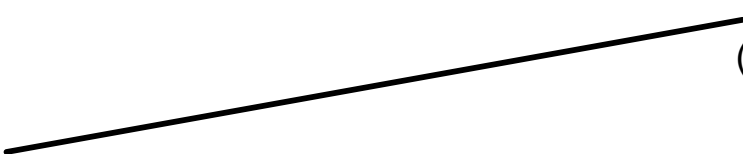
$(9,0)$  $(20,0)$

$(-9,0)$  $(3,0)$

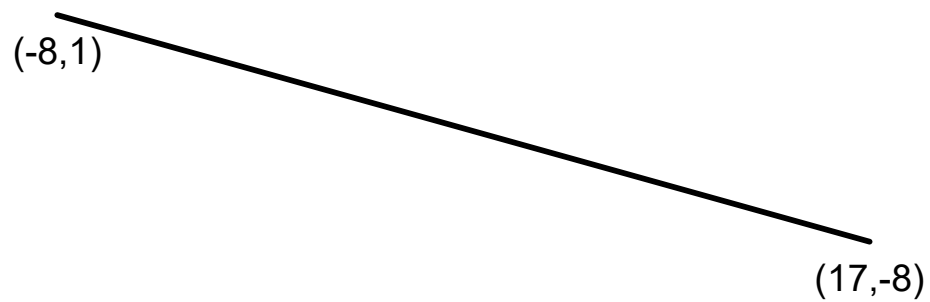
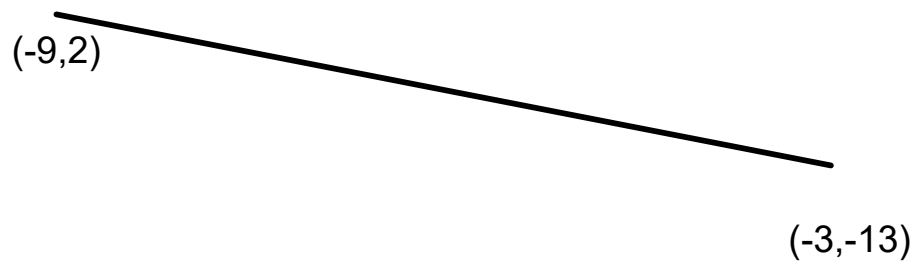
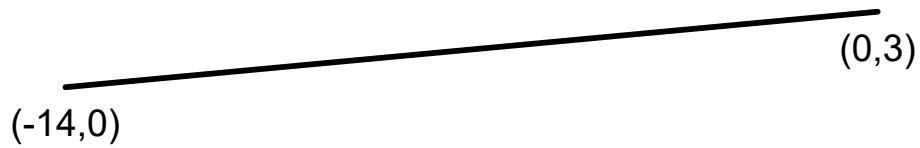
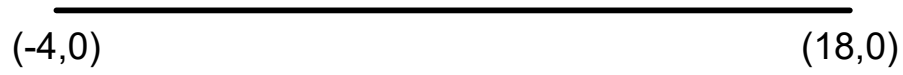
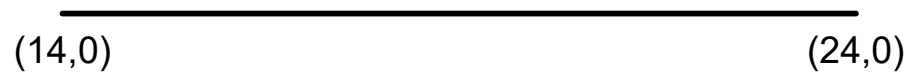
$(-24,0)$  $(-13,0)$

$(14,0)$  $(16,2)$

$(14,0)$  $(16,-2)$

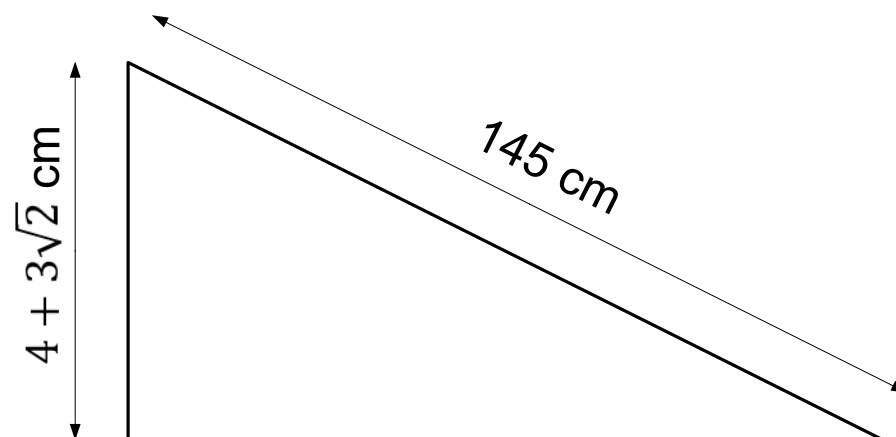
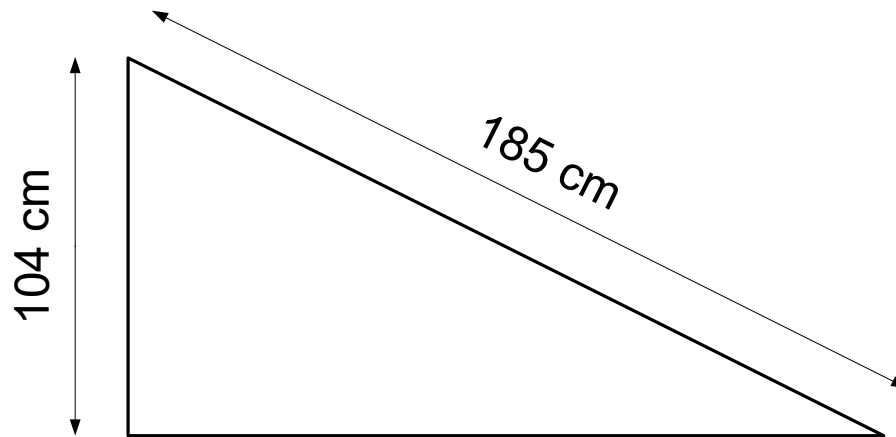
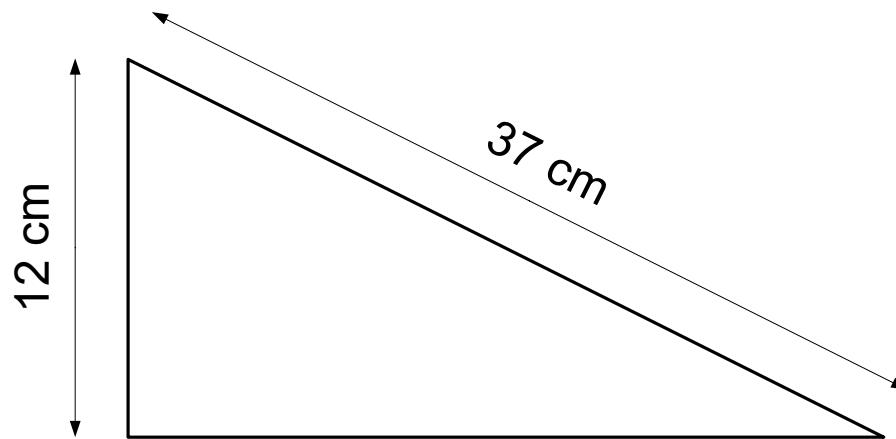
$(-7,-10)$  $(4,-2)$

- 5 Split the following lines into the ratio 3:2:5



- 6 Below, you are given the co-ordinates of two points. Find the length of the line that runs from point A to point B.
- a. $A(0,0)$ to $B(3,0)$
 - b. $A(2,0)$ to $B(15,0)$
 - c. $A(0,18)$ to $B(0,23)$
 - d. $A(0,17)$ to $B(0,61)$
 - e. $A(-4,0)$ to $B(3,0)$
 - f. $A(0,-9)$ to $B(0,8)$
 - g. $A(2,5)$ to $B(5,9)$
 - h. $A(-5,8)$ to $B(1,16)$
 - i. $A(5,-6)$ to $B(17,-1)$
 - j. $A(12,4)$ to $B(-3,12)$
 - k. $A(16,-20)$ to $B(25,20)$
 - l. $A(-7,8)$ to $B(5,47)$
 - m. $A(0,0)$ to $B(3,0)$
 - n. $A(0,135)$ to $B(72,0)$
 - o. $A(16,-20)$ to $B(3,64)$
 - p. $A(12,-15)$ to $B(68,18)$

7 Find the area of the triangles



- 8 Find the area of the blue triangles below.

All dimensions are given in cm.

