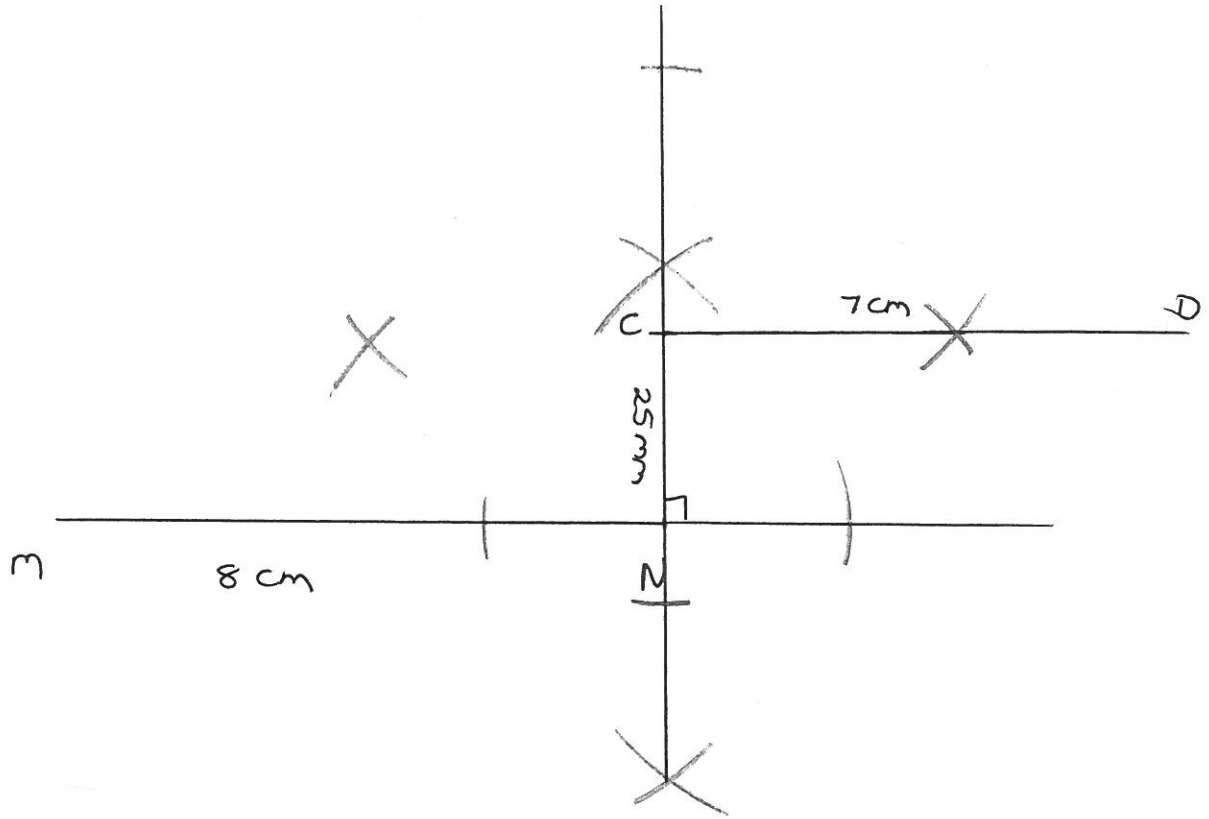
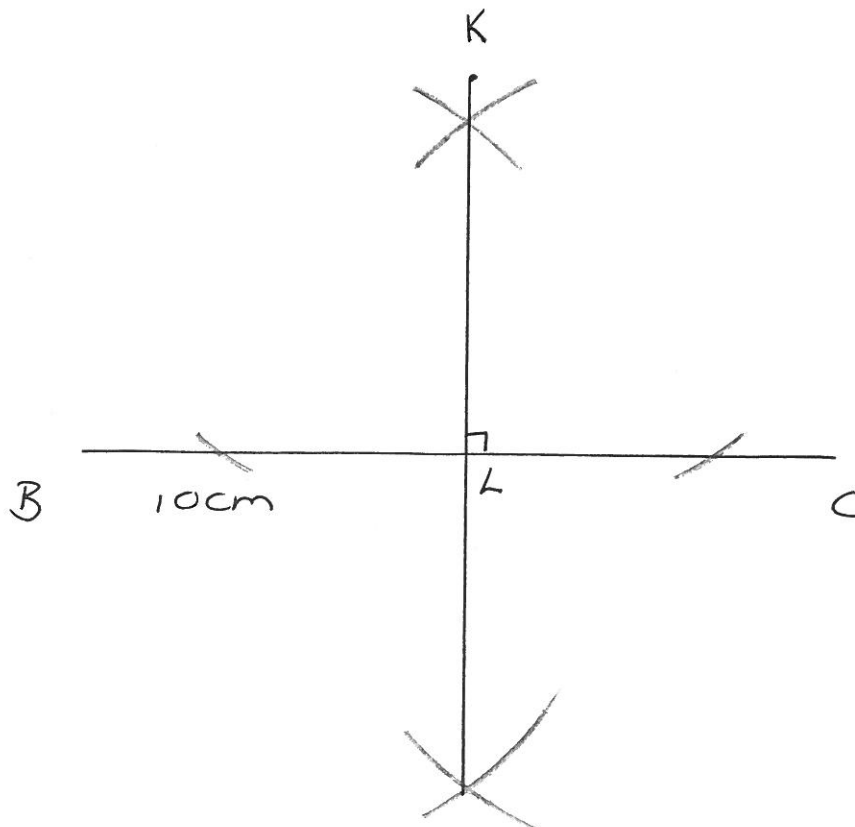


Worksheet 2015-8EL-00002(1)

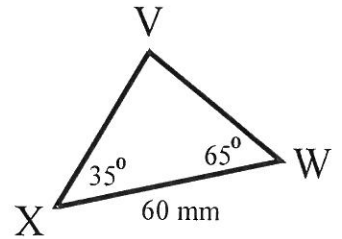
- (1) (a) Draw line $MN = 8\text{ cm}$.
(b) Construct CN with $\widehat{MNC} = 90^\circ$.
(c) Construct $DC \parallel MN$ with $DC = 7\text{ cm}$.



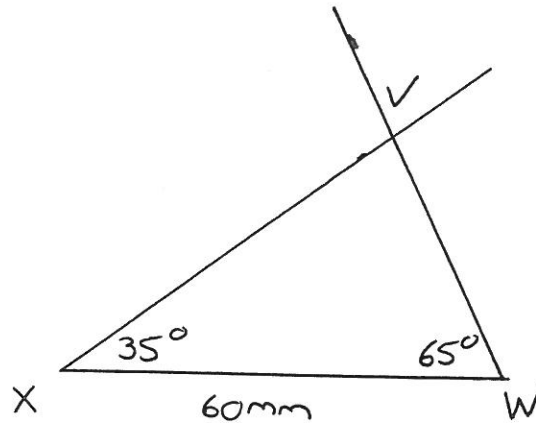
- (2) (a) Draw line $BC = 10\text{ cm}$.
(b) Make a point anywhere about 5 cm above BC . Label the point as K .
(c) Construct KL with $KL \perp BC$ and with L a point on BC .



- (3) (a) Construct the following triangle, with dimensions as indicated:
 (b) Measure the lengths of VX and VW .
 (c) Measure $\hat{X}\hat{V}\hat{W}$.
 (d) What do you see regarding the sum of all three interior angles of $\triangle VWX$?



$$\therefore \hat{X} + \hat{W} + \hat{V} = 35^\circ + 65^\circ + 80^\circ = 180^\circ$$



(b) $VX = 55\text{ mm}$
 $VW = 34\text{ mm}$

(c) $\hat{X}\hat{V}\hat{W} = 80^\circ$

- (4) (a) Construct a circle with radius 4 cm.
 (b) Draw diameter AB , anywhere through midpoint O .
 (c) Construct $\hat{BAC} = 30^\circ$ with C a point on the circumference of the circle.
 (d) Join C and B .
 (e) Measure $\hat{ACB}$. $\hat{ACB} = 90^\circ$

