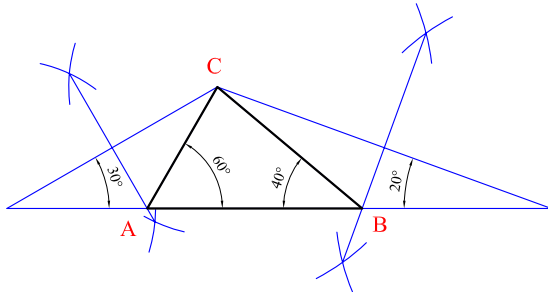


- Perimeter and the two base angles

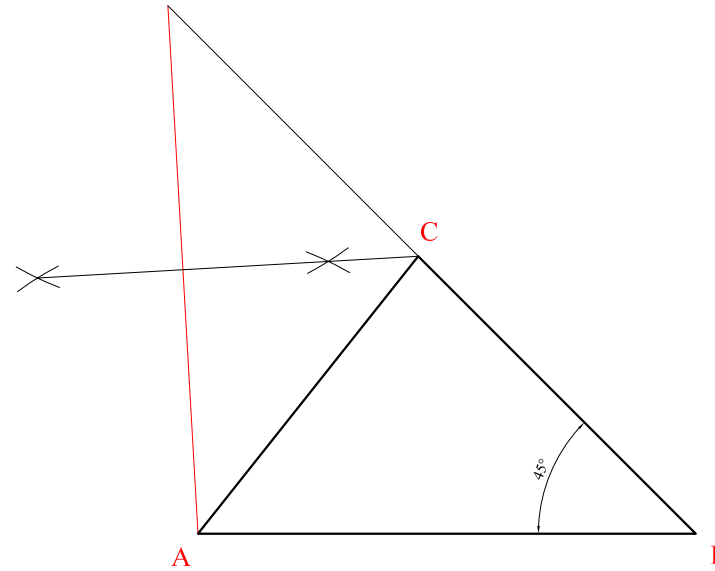
Perimeter = 105  
 Angle CAB =  $60^\circ$   
 Angle CBA =  $40^\circ$

Method No 1



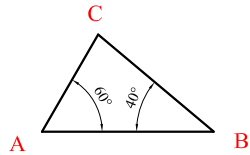
- Perimeter, base and base angle

Perimeter = 240  
 Base AB = 96  
 Base angle CBA =  $45^\circ$



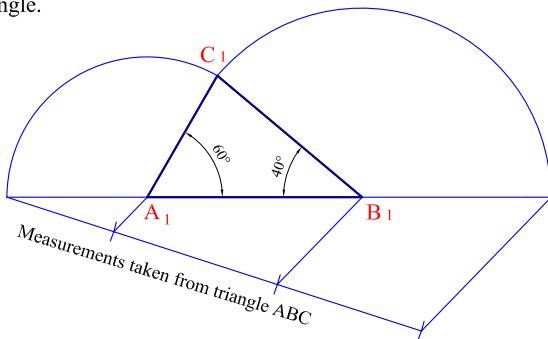
- Perimeter and the two base angles

Perimeter = 105  
 Angle CAB =  $60^\circ$   
 Angle CBA =  $40^\circ$



Method No 2

Construct a triangle of any dimension and having base angles of  $60^\circ$  and  $40^\circ$ . Using the proportional division method divide the given perimeter into three parts. Swing arcs to construct a similar triangle.



- Base angle, apex angle and altitude

Base angle CAB =  $70^\circ$   
 Apex angle ACB =  $80^\circ$   
 Altitude = 65

