

**CONSTRUCTION OF 120° USING RULER AND PENCIL
ONLY**

Author :

DON JOAN
CHOO LACKAL HOUSE
MOOLAMKUZHY
MUNDAMVELI P.O.
KOCHI-682507
KERALA

donjoan@gmail.com

Ph : 9400293962

CERTIFICATE

Certified that this is a bonafide work done by DON JOAN , Standard IX, Santa Maria Senior Secondary School, Santhome, affiliated to CBSE (Affi. No. 930555), during the academic year 2010-2011.

Mrs. Shanta Joseph
Principal
Santa Maria Senior Secondary School
Santhome, Mundamveli P.O.,
Kochi – 682 507.

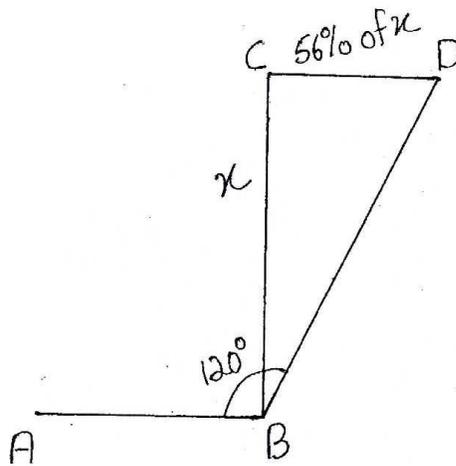
Kochi
Date : 22.1.2011

ABSTRACT:

Here I am presenting the construction of an angle of 120° without using a compass or a protractor.

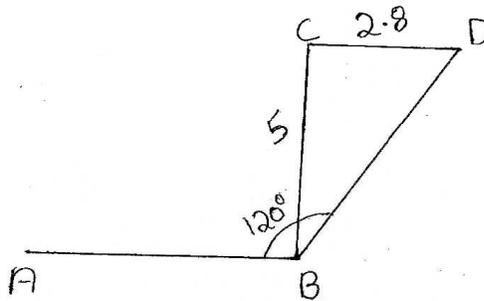
Steps of Construction:

1. Draw a line segment AB
2. Draw a perpendicular BC at B with $BC = X$ cm.
3. Again draw a perpendicular CD at C with $CD = 56\%$ of BC.
4. Join DB. Then $\angle ABD = 120^\circ$



Example

1. Draw a line segment AB
2. Draw a perpendicular BC at B with BC = 5 cm.
3. Draw a perpendicular CD at C with CD = 56 % of BC.,
So, $CD = \frac{56 \times 5}{100} = \frac{280}{100} = 2.8$
4. Join DB. Then $\angle ABD = 120^\circ$



Reference

Self done.