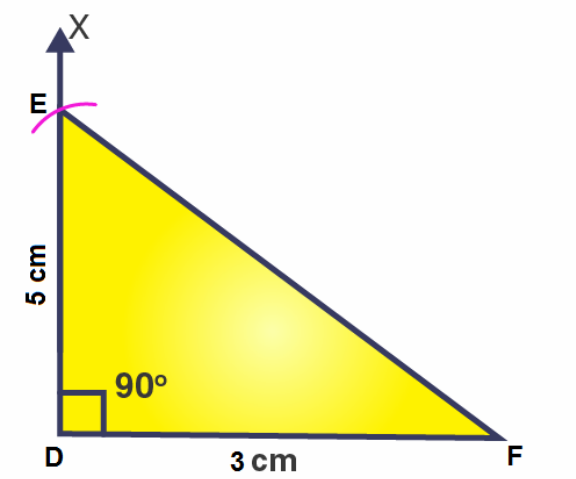
Access answers to Maths NCERT Solutions for Class 7 Chapter 10 – Practical Geometry Exercise 10.3

1. Construct ΔDEF such that DE = 5 cm, DF = 3 cm and m∠EDF = 90°.

Solution:-



Steps of construction:

1. Draw a line segment DF = 3 cm.

2. At point D, draw a ray DX to making an angle of 90° i.e. ∠XDF = 90°.

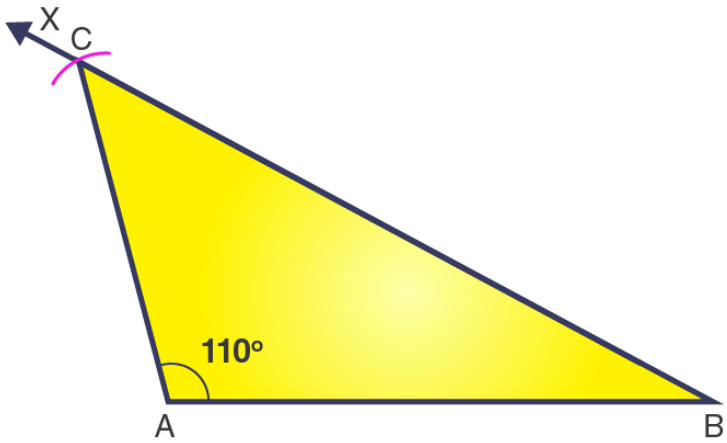
3. Along DX, set off DE = 5cm.

4. Join EF.

Then, ΔEDF is the required right angled triangle.

2. Construct an isosceles triangle in which the lengths of each of its equal sides is 6.5 cm and the angle between them is 110°.

Solution:-



Steps of construction:

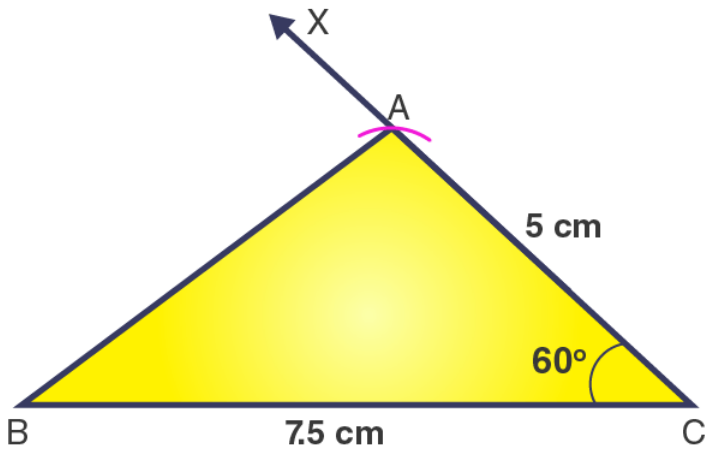
1. Draw a line segment AB = 6.5 cm.

2. At point A, draw a ray AX to making an angle of 110^o i.e. $\angle XAB = 110^o$.

3. Along AX, set off AC = 6.5cm.
4. Join CB.
Then, ΔABC is the required isosceles triangle.

3. Construct ΔABC with BC = 7.5 cm, AC = 5 cm and m∠C = 60°.

Solution:-



Steps of construction:
1. Draw a line segment BC = 7.5 cm.

2. At point C, draw a ray CX to making an angle of 60^o i.e. $\angle XCB = 60^o$.

3. Along CX, set off AC = 5cm.
4. Join AB.
Then, ΔABC is the required triangle.