

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date:

Name:

ID No.....

Assignment

1. In $\triangle ABC$, $\angle A = 60^\circ$ and $\angle C = 40^\circ$ which side of this triangle is the longest? Give reason for your answer?

2. Is it possible to construct a triangle with lengths of its sides as 8 cm, 6 cm and 15 cm? Give reasons for your answer?

3. In $\triangle PQR$, $PQ = 6$ cm, $QR = 7$ cm and $PR = 9$ cm, which angle of this triangle is largest? Give reason for your answer.

4. In Fig. 5.8, AB and CD are respectively the smallest and longest sides of a quadrilateral ABCD. Show that $\angle A > \angle C$ and $\angle B > \angle D$.

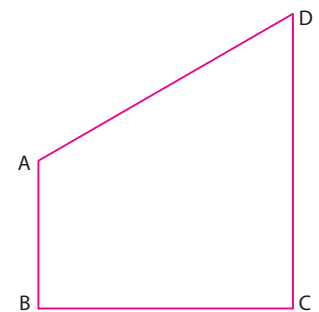


Fig. 5.8