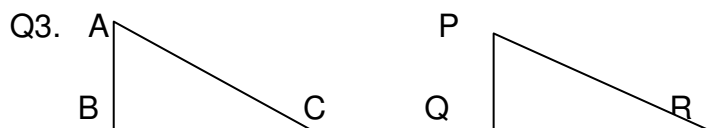


**WORK SHEET**  
**SUBJECT- MATHS**  
**Chapter-7: Congruence of Triangle**

**CLASS- VII**

Q1. Define congruence of triangles.

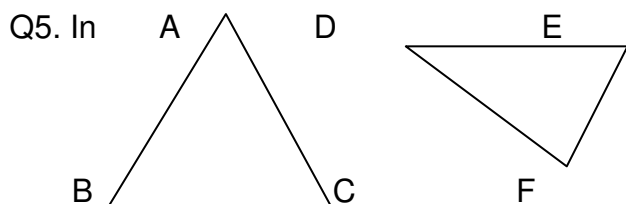
Q2. Write criteria of congruence of a triangle.



Which congruence criteria do you use in the above figure.

$AB = PQ$  ; Angle B = Angle Q ;  $BC = QR$

Q 4. Give any three real life example for congruent shape.



$AB = 5 \text{ cm}$  ; angle B =  $50^\circ$  ;  $BC = 5.5 \text{ cm}$  ; &  $DF = 5 \text{ cm}$  angle F =  $50^\circ$

&  $FE = 5.5 \text{ cm}$  , then write the triangles in order they are congruent & Write also criteria.

Q6. In the figure ,  $AB = AC$  & AD is the bisector of angle BAC.

i) State three pairs of equal parts in triangles ADB & ADC.

ii) Is triangle ADB is congruent to triangle ADC .

Q 7. Which angle is included between DE & EF of triangle DEF?

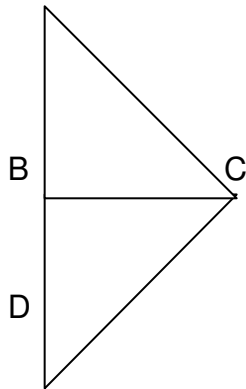
Q 8. In a squared sheet , draw two triangles of equal areas such that

i) the triangle are congruent .

ii) the triangles are not congruent .

What can you say about their perimeter ?

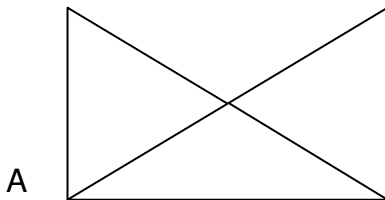
Q9. A



If  $AC = DC$  ;  $\angle ABC = \angle DCB$  &  $BC = BC$

STATE THE CRITERIA OF THE CONGRUENCE.

Q10. D C



If DA is perpendicular to AB & CB is perpendicular to BA &  $AC = BD$

Then state which two triangle are congruent & by which criteria.

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