

VII - Mathematics Assignment No-04- Congruence of Triangles

Fill the gap in the following

- (Q1) Two triangles are congruent if they are ~~of~~ the same shape and -----
- (Q2) Two line segments are congruent, if they have -----
- (Q3) Two angles are congruent if they have -----
- (Q4) Two triangles are congruent by ----- or ----- or -----
- (Q5) Two rectangles are congruent if they have -----
- (Q6) Two circles are congruent if they have -----
- (Q7) Two squares are congruent if they have -----
- (Q8) If area of two triangles are equal then the triangles are -----

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- (Q9) Congruent triangles have ----- Area
- (Q10) If three angles of one triangle are equal to corresponding angles of another triangle then the triangles are -----
- (Q11) In an Equilateral triangles, all angles -----
----- to one another
- (Q12) The bisector of the vertical angle of an isosceles triangle ----- the base at ----- angle.
- (Q13) Among two congruent angles, one has a measure of 70° , the measure of other angle is -----
- (Q14) When we write in any triangle $\angle A = \angle B$, we actually mean -----
- (Q15) In two right angled triangles, if two legs of one Δ are equal to corresponding two legs of other Δ then the Δ s are -----

ANSWERS:

(Q1) Same size	(Q7) Same side length.	(Q13) 70°
(Q2) Same length	(Q8) Congruent (may or may not)	(Q14) $m\angle A = m\angle B$
(Q3) Same measure	(Q9) Equal	(Q15) Congruent
(Q4) SAS, SSS, ASA	(Q10) not Congruent	
(Q5) Same length and same breadth	(Q11) are Equal	
(Q6) Same radius	(Q12) Bisects, right	