ZiloAcademy

✨ Grade 8 Maths — Congruence ✨

Name: Demo **Date:** 26/11/2026

1. Which congruence test proves two triangles congruent when: In triangles LMN and STU, angle L = angle S, angle M = angle T, and LM=ST? (answer with the abbreviation, e.g. "SSS")

2. Which congruence test proves two triangles congruent in each case (answer with the abbreviation, separated by a comma)? 1) Two angles and a side of one triangle equal two angles and the matching side of another 2) In triangles ABC and DEF, AB=DE, BC=EF, and CA=FD

3. Triangle 1 has sides 15 cm, 4 cm, 14 cm. Triangle 2 has sides 20 cm, 4 cm, 14 cm. Are they congruent by SSS? (yes/no)

4. Which congruence test proves two triangles congruent when: In triangles PQR and XYZ, PQ=XY, angle Q = angle Y, and QR=YZ? (answer with the abbreviation, e.g. "SSS")

5. Which congruence test proves two triangles congruent in each case (answer with the abbreviation, separated by a comma)? 1) Two triangles share all three matching side lengths, measured with a ruler 2) In triangles ABC and DEF, AB=DE, BC=EF, and CA=FD

6. Which congruence test proves two triangles congruent when: A right angle, the hypotenuse, and one other side of one triangle equal the same in another? (answer with the abbreviation, e.g. "SSS")

7. Triangle 1 has sides 19 cm, 7 cm, 18 cm. Triangle 2 has sides 19 cm, 7 cm, 18 cm. Are they congruent by SSS? (yes/no)

8. Triangle 1 has sides 6 cm, 8 cm, 10 cm. Triangle 2 has sides 6 cm, 8 cm, 10 cm. Are they congruent by SSS? (yes/no)

9. Which congruence test proves two triangles congruent in each case (answer with the abbreviation, separated by a comma)? 1) Two triangles share two matching angles and the side that connects them 2) Two angles and a side of one triangle equal two angles and the matching side of another

10. Triangle 1 has sides 19 cm, 16 cm, 11 cm. Triangle 2 has sides 20 cm, 16 cm, 11 cm. Are they congruent by SSS? (yes/no)