

Learning Targets

Congruence

Lesson 1: Congruent Parts, Part 1

- I can identify corresponding parts from a congruence statement.
- I can use rigid transformations to figure out if figures are congruent.
- I can write a congruence statement.

Lesson 2: Congruent Parts, Part 2

- I can identify corresponding parts from a congruence statement.
- I can use rigid transformations to explain why figures are congruent.
- I can write a congruence statement.

Lesson 3: Congruent Triangles, Part 1

- I can explain why if all the corresponding sides and angles of two triangles are congruent, then the triangles are congruent.

Lesson 4: Congruent Triangles, Part 2

- I can write conjectures about what I need to know to prove two triangles are congruent.

Lesson 5: Points, Segments, and Zigzags

- I can write a proof that segments of the same length are congruent.

Lesson 6: Side-Angle-Side Triangle Congruence

- I can explain why the Side-Angle-Side Triangle Congruence Theorem works.
- I can use the Side-Angle-Side Triangle Congruence Theorem in a proof.

Lesson 7: Angle-Side-Angle Triangle Congruence

- I can explain why the Angle-Side-Angle Triangle Congruence Theorem works.
- I can use the Angle-Side-Angle Triangle Congruence Theorem in a proof.

Lesson 8: The Perpendicular Bisector Theorem

- I can critique an explanation of the Perpendicular Bisector Theorem.
- I can explain why the Perpendicular Bisector Theorem is true.

Lesson 9: Side-Side-Side Triangle Congruence

- I can explain why the Side-Side-Side Triangle Congruence Theorem works.
- I can use the Side-Side-Side Triangle Congruence Theorem in a proof.

Lesson 10: Practicing Proofs

- I can use the Side-Side-Side, Angle-Side-Angle, and Side-Angle-Side Triangle Congruence Theorems in proofs.
- I can write conjectures about quadrilaterals.

Lesson 11: Side-Side-Angle (Sometimes) Congruence

- I know Side-Side-Angle does not guarantee triangles are congruent.

Lesson 12: Proofs about Quadrilaterals

- I can critique a proof about quadrilaterals.
- I can prove theorems about quadrilaterals.
- I can rewrite a conjecture so it is specific enough to prove.

Lesson 13: Proofs about Parallelograms

- I can prove theorems about the diagonals of a parallelogram.

Lesson 14: Bisect It

- I can critique a proof about constructions.
- I can explain why constructions work.

Lesson 15: Congruence for Quadrilaterals

- I can use rigid transformations to prove quadrilaterals are congruent.
- I can write conjectures about quadrilateral congruence.