

The Heart and the Soul of CPCTC (Big Idea Geometry Section 5.7)

Lesson 073 | Geometry | Triangle congruence and CPCTC

<https://www.youtube.com/watch?v=OpsOr5rnQY0>

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01

Two triangles have corresponding sides 16, 17, 18. Name the congruence criterion and explain what CPCTC then establishes.

02

Two triangles have corresponding sides 18, 19, 20. Name the congruence criterion and explain what CPCTC then establishes.

03

Two triangles have corresponding sides 14, 15, 16. Name the congruence criterion and explain what CPCTC then establishes.

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Name: _____ Date: _____ Show your reasoning.

04

Two triangles have corresponding sides 23, 24, 25. Name the congruence criterion and explain what CPCTC then establishes.

05

Two triangles have corresponding sides 21, 22, 23. Name the congruence criterion and explain what CPCTC then establishes.

06

Two triangles have corresponding sides 15, 16, 17. Name the congruence criterion and explain what CPCTC then establishes.

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01

Two triangles have corresponding sides 16, 17, 18. Name the congruence criterion and explain what CPCTC then establishes.

Criterion: SSS. It guarantees congruent triangles; CPCTC then gives equality of all remaining corresponding sides and angles, with vertex order matched.

02

Two triangles have corresponding sides 18, 19, 20. Name the congruence criterion and explain what CPCTC then establishes.

Criterion: SSS. It guarantees congruent triangles; CPCTC then gives equality of all remaining corresponding sides and angles, with vertex order matched.

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Two triangles have corresponding sides 14, 15, 16. Name the congruence criterion and explain what CPCTC then establishes.

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