

INT1 7.1.5: 7-52, 7-53, 7-54, 7-56 & 7-57 Student eTools (CPM)

Click on the links below to access eTools.

[7-52 Student eTool \(CPM\)](#) [7-53 Student eTool \(CPM\)](#) [7-54 Student eTool \(CPM\)](#) [7-56 Student eTool \(CPM\)](#) [7-57 Student eTool \(CPM\)](#)

Use these eTools investigate what conditions are necessary to determine if triangles are similar.

For more information on Similarity eTools, view [Similarity Toolkit \(CPM\)](#).

INT1 7-52 Student eTool (CPM):

INT1 7-52 Student eTool

▼ Notes

INT1 7-52

Are these triangles always congruent?
Explain how you know.

Tip: Use the transformation tools:
translate, rotate, reflect, and dilate to
explore your ideas. For directions, click
the ? button.

► Show/Hide Labels

► Side Lengths and Ratios

INT1 7-53 Student eTool (CPM):

INT1 7-53 Student eTool

▼ Notes

Are these triangles always congruent?
Explain how you know.

Tip: Use the transformation tools:
translate, rotate, reflect, and dilate to
explore your ideas. For directions, click
the "?" above.

► Show/Hide Labels

► Side Lengths and Ratios

INT1 7-54 Student eTool (CPM):

Int1 7-54

▼ Notes

Int1 7-54

► Show/Hide Labels

► Side Lengths and Ratios

INT1 7-56 Student eTool (CPM):

Int1 7-56a Student eTool

▼ Notes

Int1 7-56a

Is it possible to make a second triangle with two sides proportional to 4 cm and 5 cm, and an included angle of 20° that is not congruent?

► Show/Hide Labels

► Side Lengths and Ratios

INT1 7-57 Student eTool (CPM):

Int1 7-57

▼ Notes

Triangle ABC is currently congruent to triangle EFD. Is it possible to have SSA and have two different triangles which are not congruent? Experiment by moving the angles.

► Show/Hide Labels

► Side Lengths and Ratios