

Similar and Congruent Figures

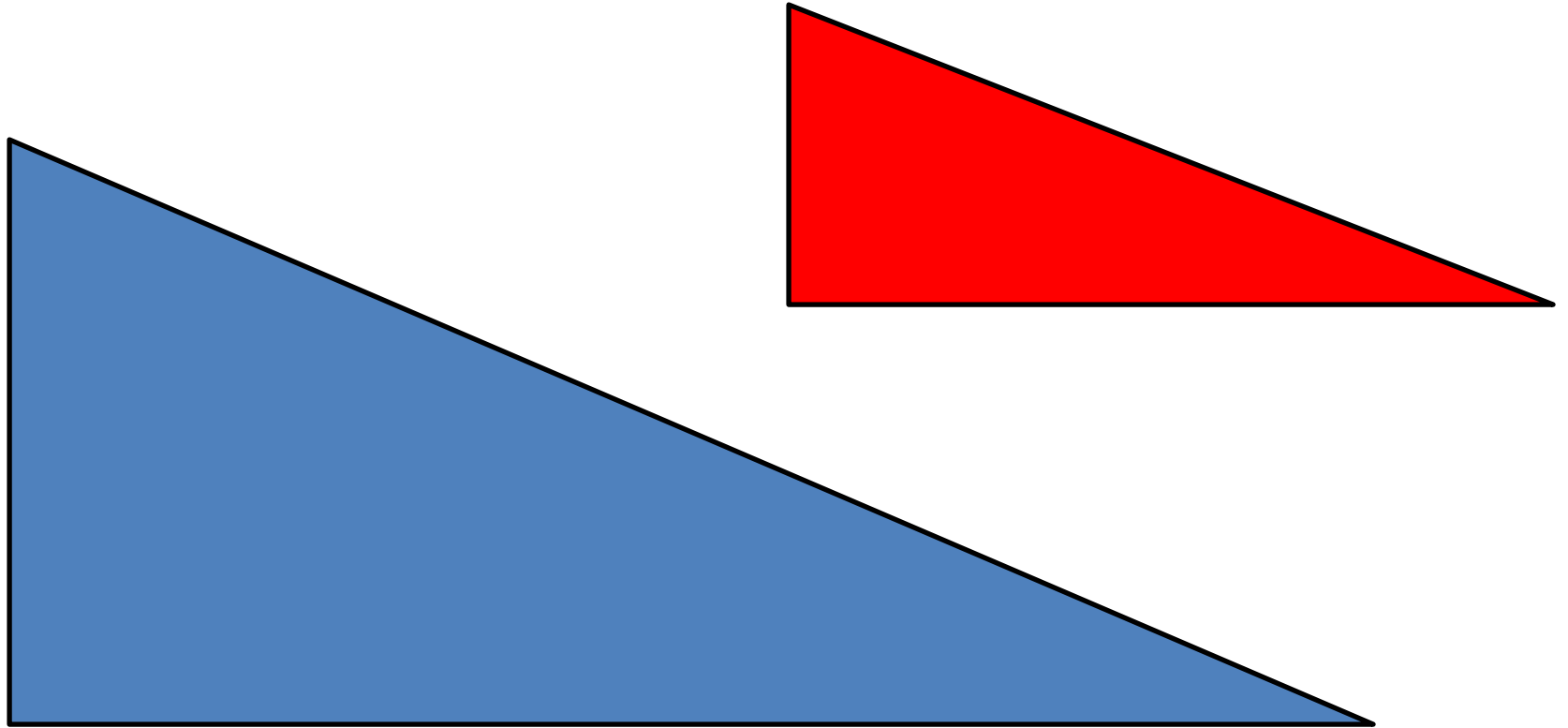


Similar and Congruent Figures

- Similar figures have the same shape, but not the same size. They must have the same ratio of side lengths
- Congruent figures have the same shape and the same size
- Corresponding parts are the sides or angles that have the same position.

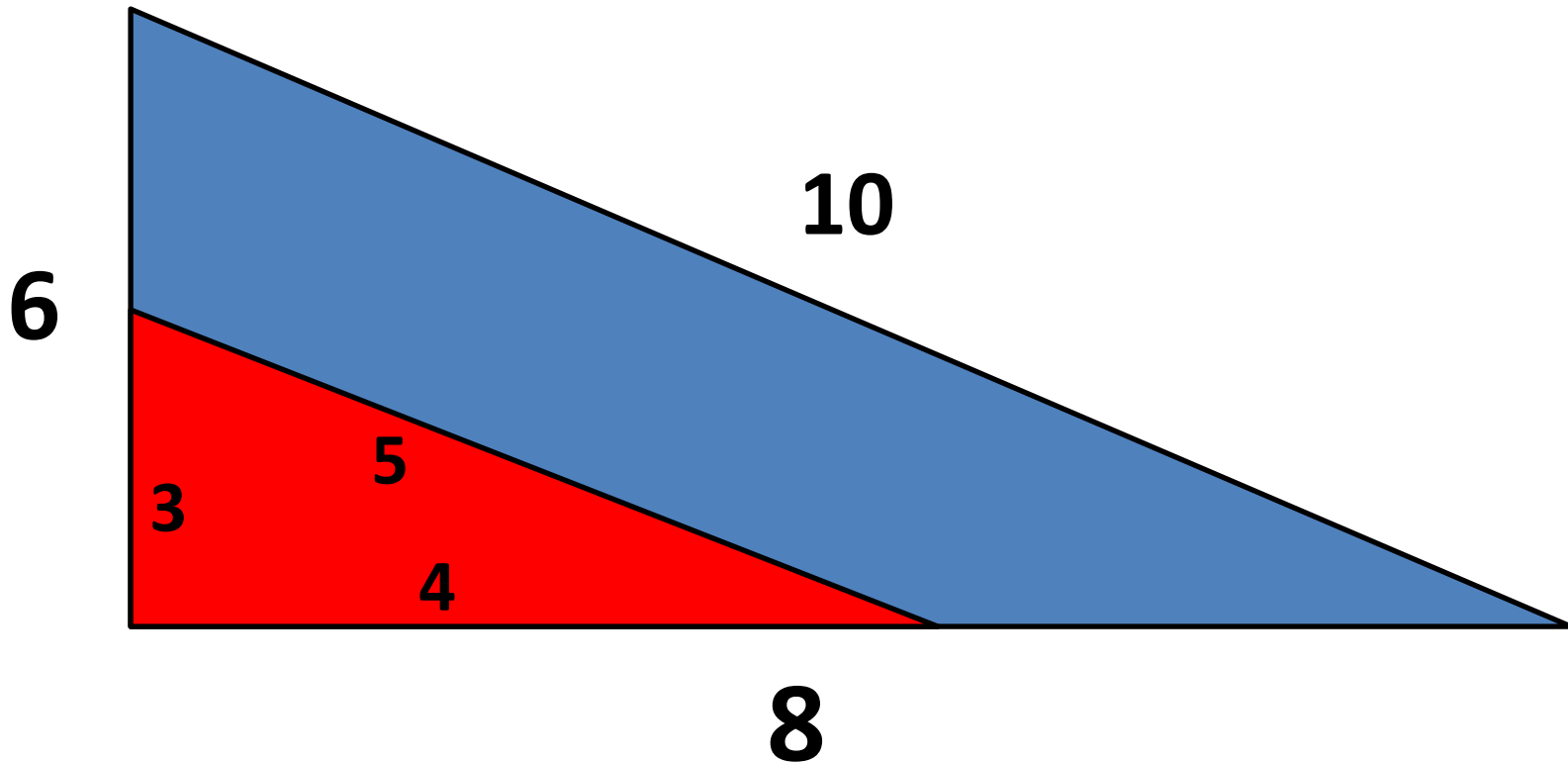
- The symbol \sim means that the shapes are similar
- The symbol \cong means that the shapes are congruent

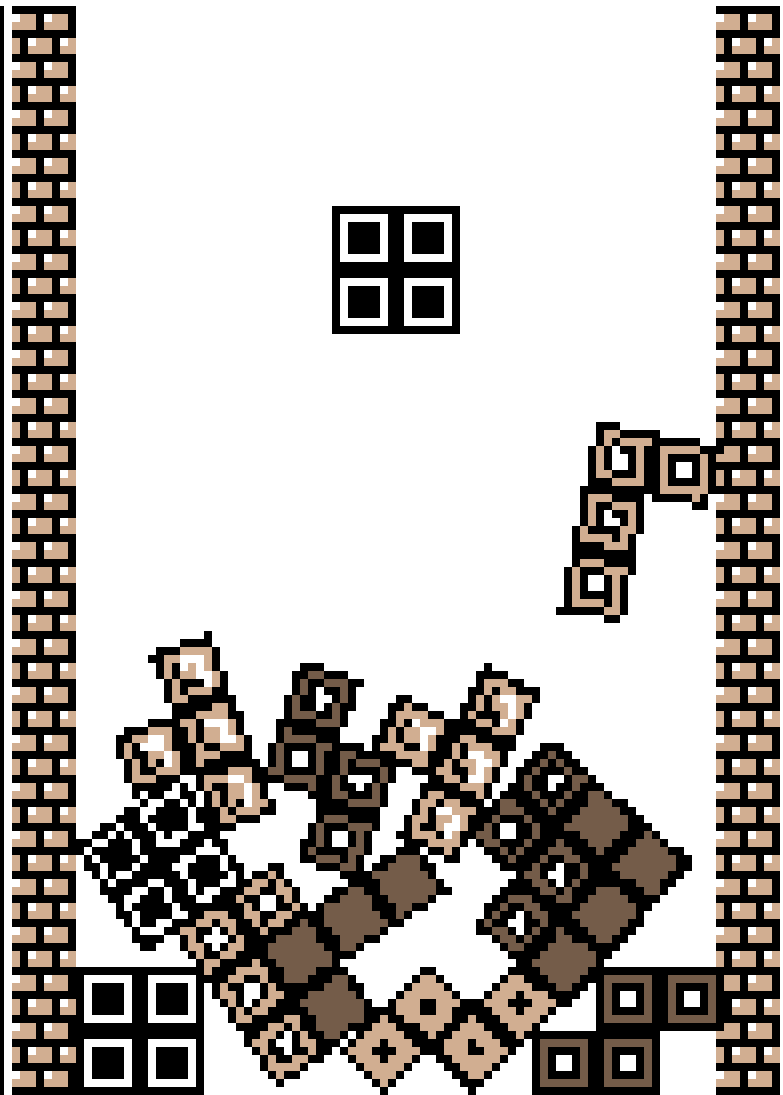
Similar Triangles



Similar Triangles

What is the ratio of sides?





SCORE

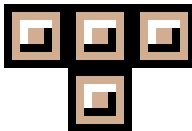
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LEVEL

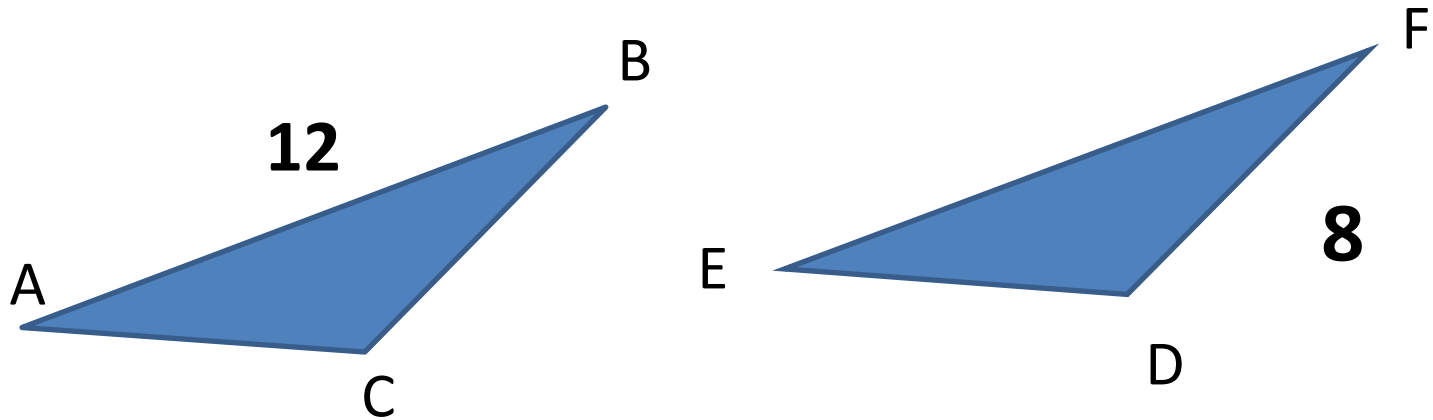
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LINES

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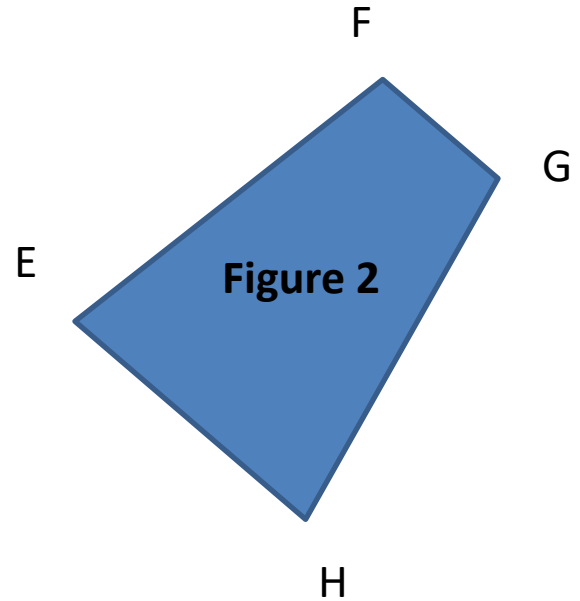
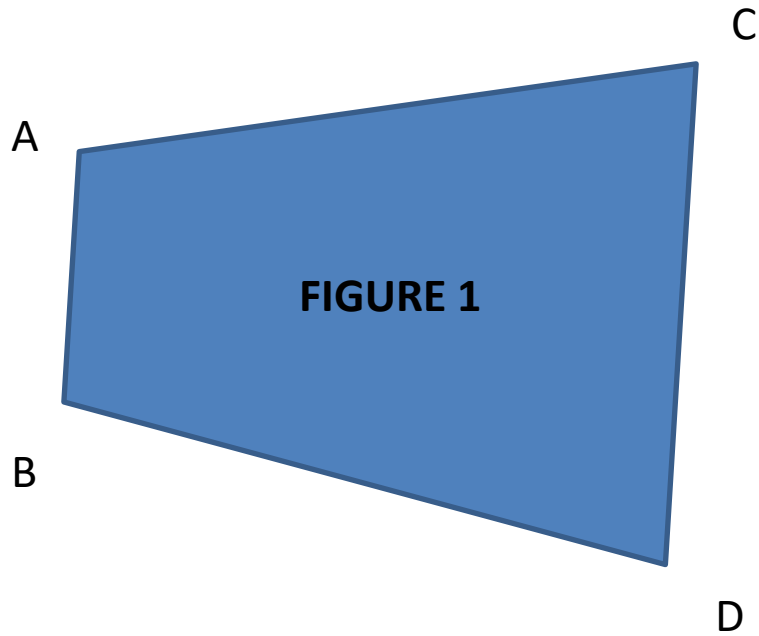
Congruent Figures



What is the length of EF

What is the length of BC

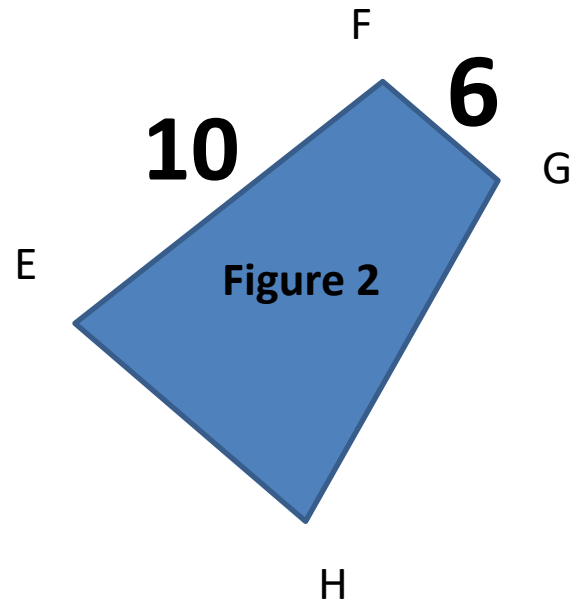
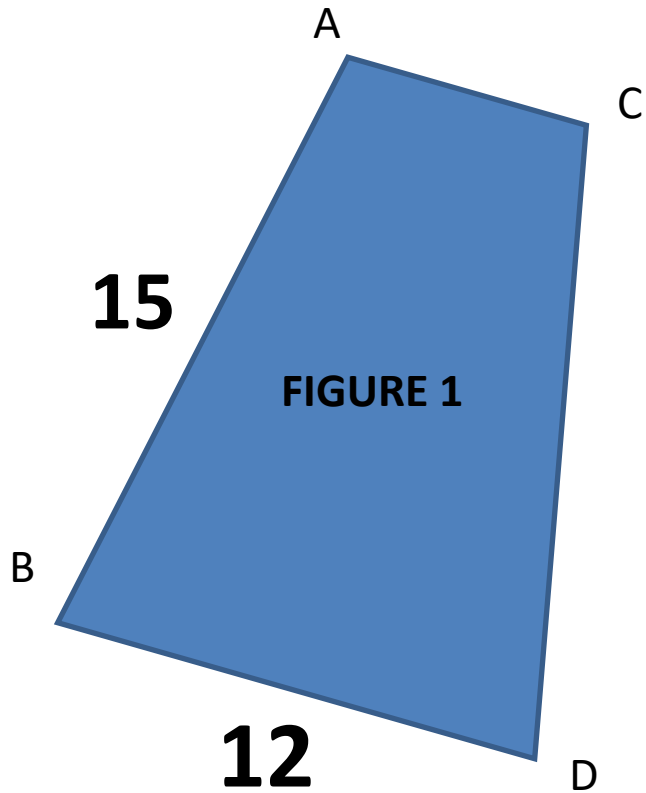
Similar Figures



Side AB is similar to side _____

Side BD is similar to side _____

Similar Figures



What is the ratio of the sides _____

What is the length of side AB?

What is the length of side EH?