Mathematics

Similar Triangles Lesson 6 of 8 Downloadable Resource

Miss Kidd-Rossiter

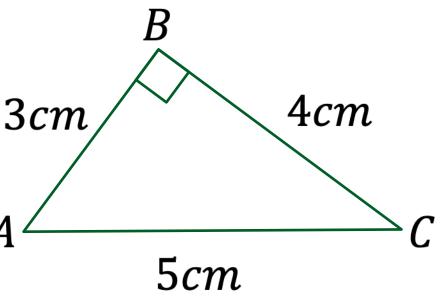


Try this

Describe the relationship between i) AB and BC ii) AB and AC iii) AC and BC

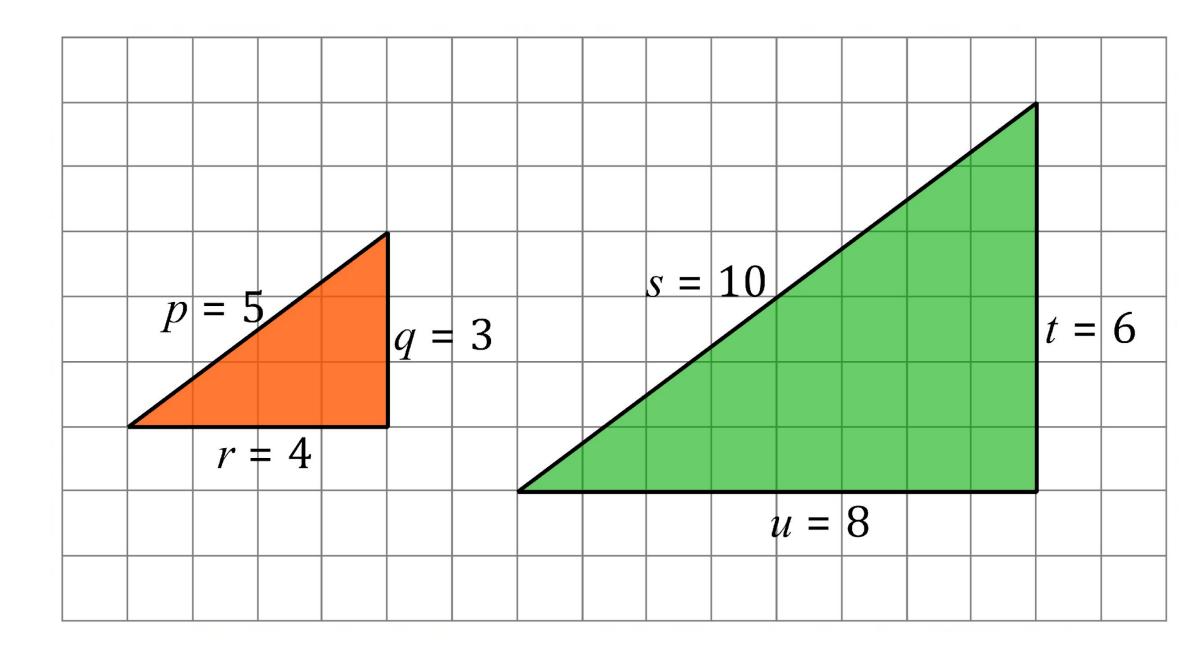
Α

Enlarge the triangle by scale factor 2, 3.5, 0.5. What do you notice about the relationships between the three sides?





Connect

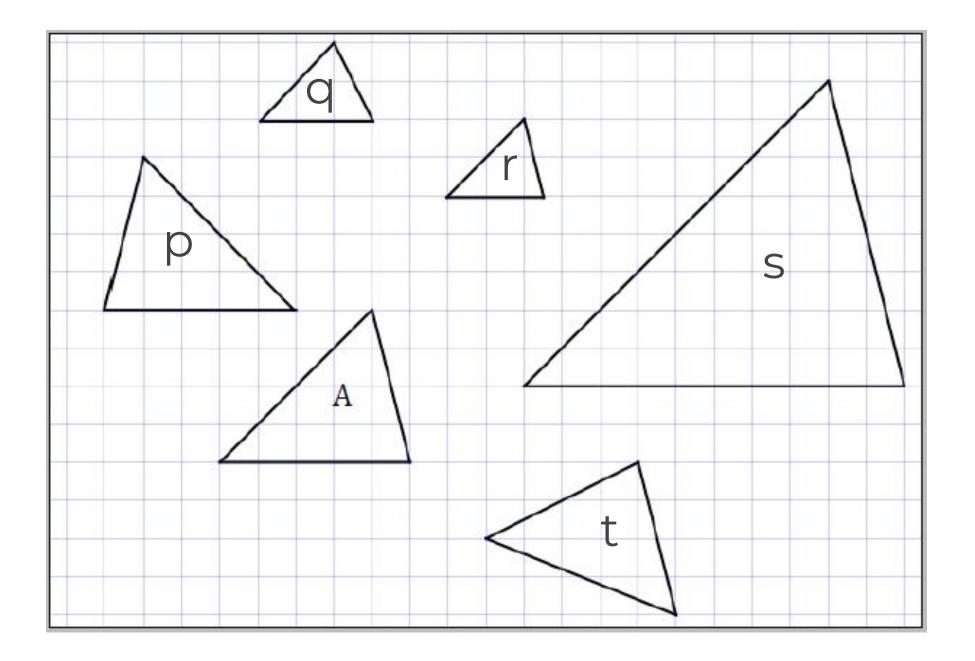


What's the **same**? What's **different**?



Independent task

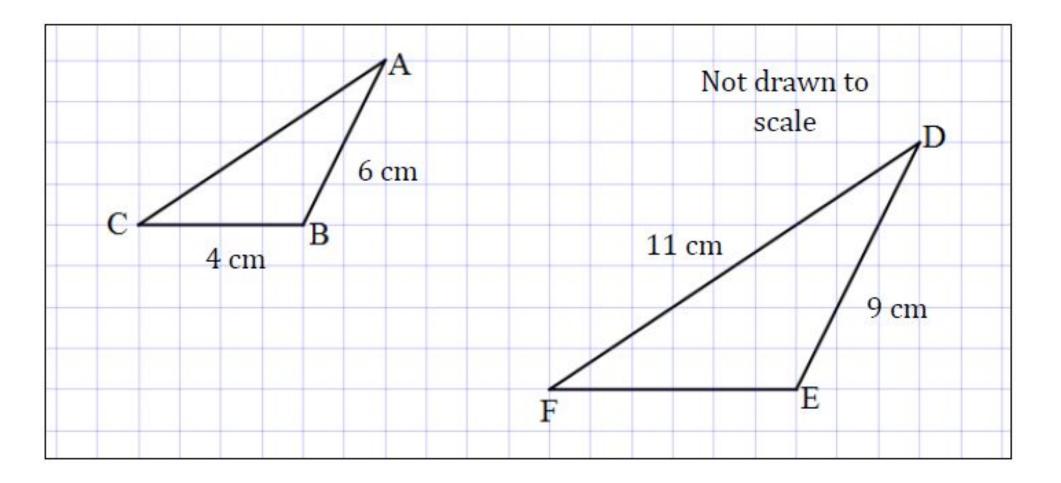
Which triangles are similar to A?





Independent task

- 2. Triangle ABC and DEF are similar.
 - a. Triangle DEF is an enlargement
 of triangle ABC. What is the scale
 factor of this enlargement?
 - b. Work out the length of the sideEF.
 - C. What is the length of the side AC?

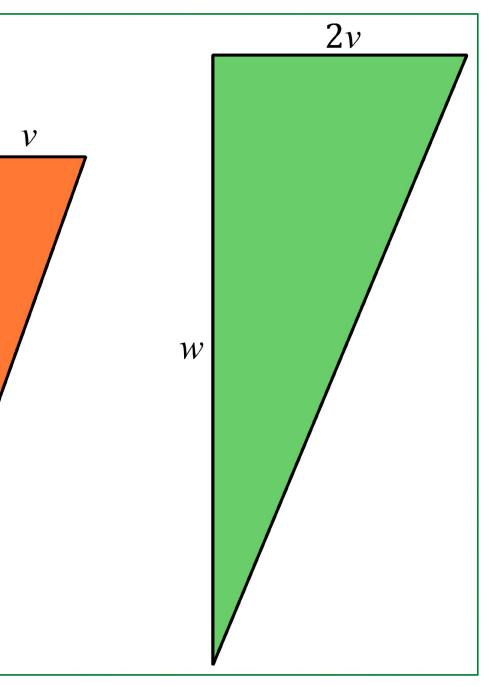




Independent task

3. These triangles are similar. Work out the value of *w*.







Explore

If you enlarge **any** shape by **any** scale factor you end up with two similar shapes

Is the student correct? How do you know?



