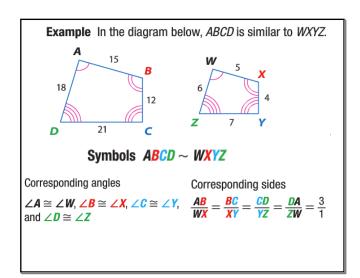
<u>7-2</u>

Similar Polygons

Similar Polygons

Two figures that have the same shape AND same angle measures.

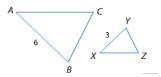
Side lengths MUST be proportional

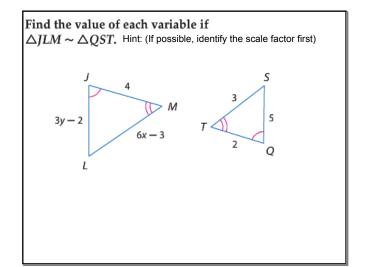


Scale Factor

The reduced ratio, of corresponding sides, in similar figures

In the diagram, $\triangle ABC \sim \triangle XYZ$.





Perimeters of Similar Polygons

Perimeters also have the same scale factor as any two corresponding sides in Similar Polygons

EXAMPLE:

Check to see what the scale factor is for each side by plugging your solutions back in. THEN check to see if the Perimeters are similar.

