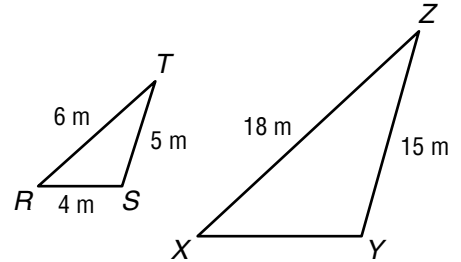


Similar Triangles

5.G.3 Identify the ratio of corresponding sides of similar triangles

$\triangle RST$ is similar to $\triangle XYZ$. Find the ratio of $\triangle RST$ to $\triangle XYZ$.

Since the two triangles are similar, the ratios of their corresponding sides are equal. So you can look at any pair of corresponding sides to find the ratio between the two triangles.



6:18 Write the ratio of the two longest sides.

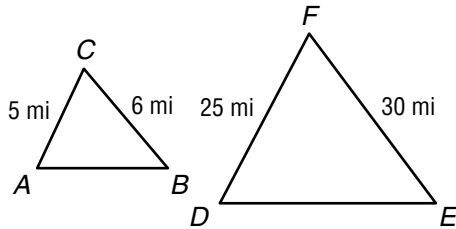
1:3 Simplify the ratio by dividing both sides by 6.

The ratio between the corresponding sides of the triangles is 1:3.

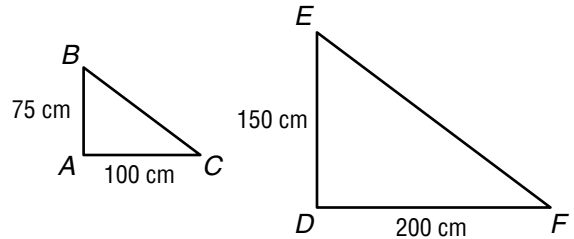
EXERCISES

Find the ratio of $\triangle ABC$ to $\triangle DEF$.

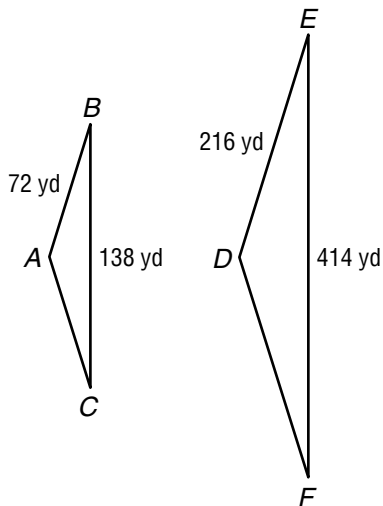
1.



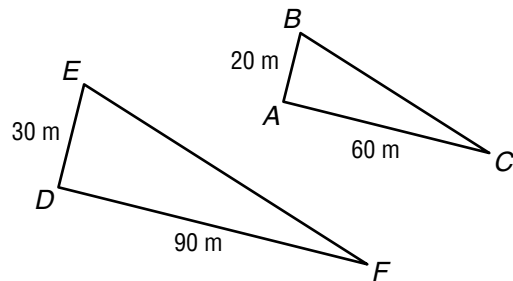
2.



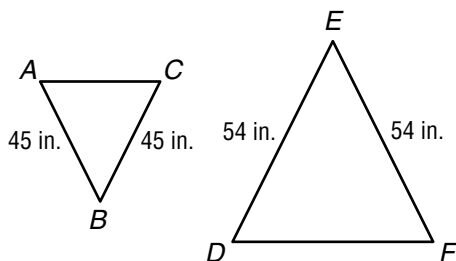
3.



4.



5.



6.

