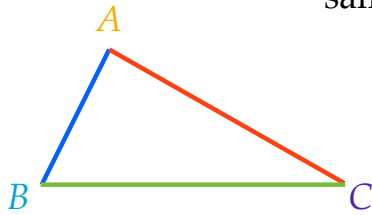


Proportional Perimeters of Similar Figures

Name _____

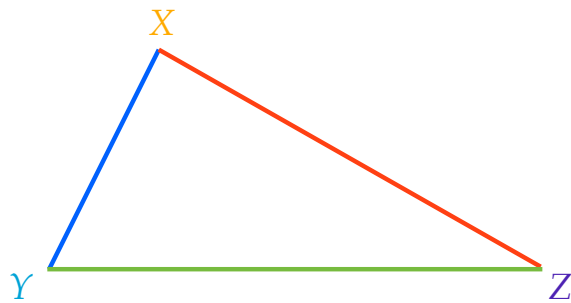
Date _____ Period _____

If two triangles are similar, then the perimeters are proportional to the same measures of the corresponding sides.

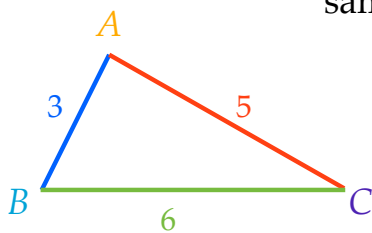


If $\triangle ABC \sim \triangle XYZ$...

Proportional Sides



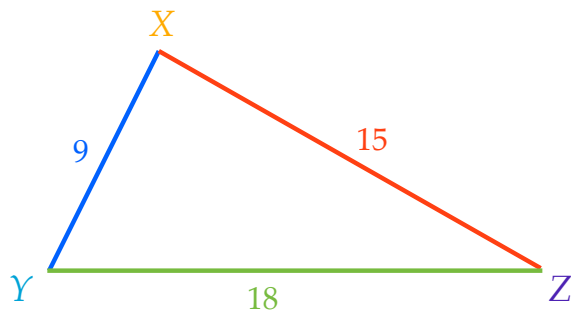
If two triangles are similar, then the perimeters are proportional to the same measures of the corresponding sides.



$$\frac{3}{9} = \frac{6}{18} = \frac{5}{15}$$

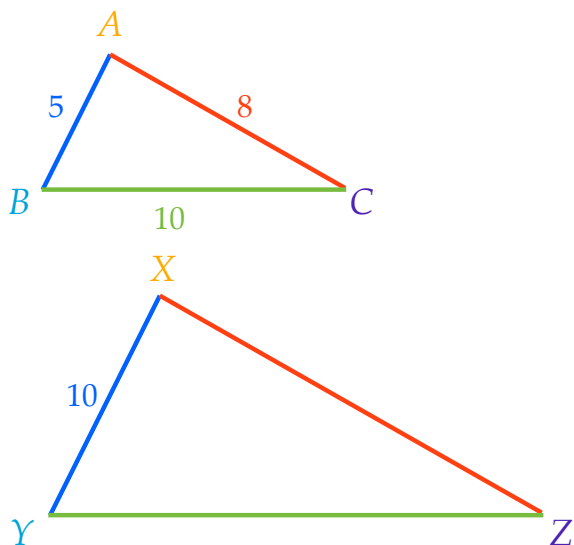
Perimeter $\triangle ABC$

Perimeter $\triangle XYZ$

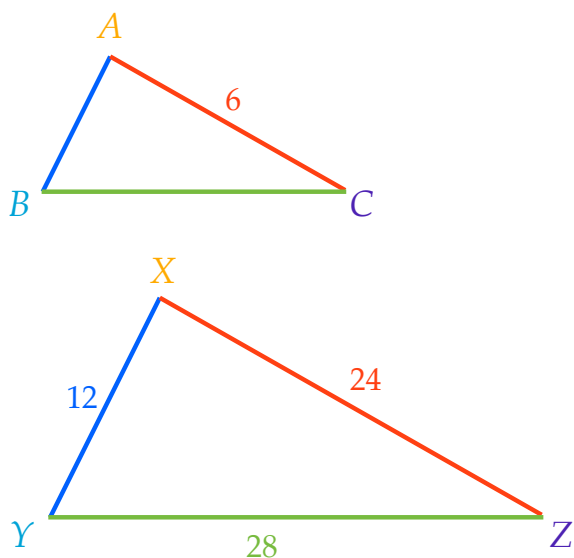


$$\frac{\text{Perimeter } \triangle ABC}{\text{Perimeter } \triangle XYZ}$$

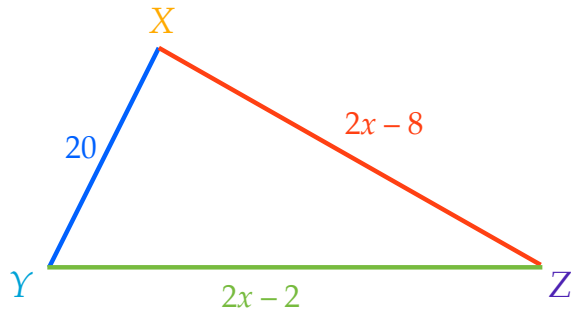
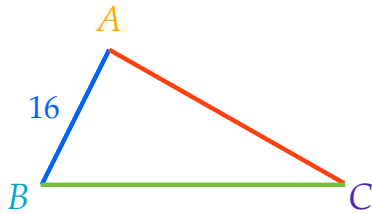
Given $\triangle ABC \sim \triangle XYZ$, find the perimeter of $\triangle ABC$ and $\triangle XYZ$.



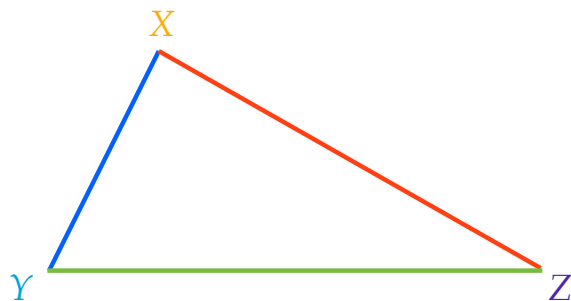
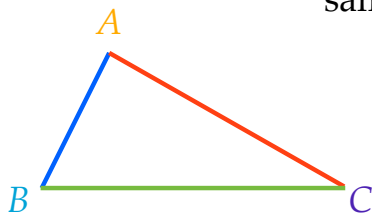
Given $\triangle ABC \sim \triangle XYZ$, find the perimeter of $\triangle ABC$ and $\triangle XYZ$.



Given $\triangle ABC \sim \triangle XYZ$. The perimeter of $\triangle ABC = 56$. Find the value of x and the perimeter of $\triangle XYZ$.



If two triangles are similar, then the perimeters are proportional to the same measures of the corresponding sides.



If $\triangle ABC \sim \triangle XYZ$...

Proportional Sides

$$\frac{AB}{XY} = \frac{BC}{YZ} = \frac{AC}{XZ} = \frac{\text{Perimeter } \triangle ABC}{\text{Perimeter } \triangle XYZ}$$