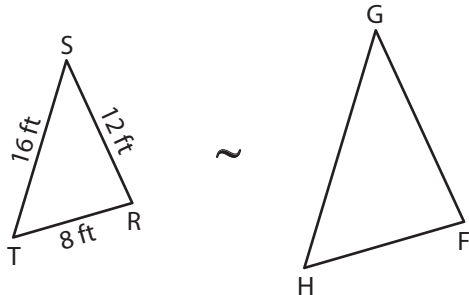


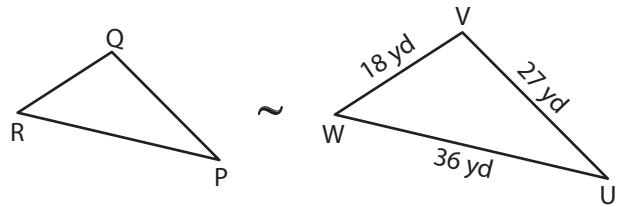
Name : _____

Similar Triangles - Finding Sides

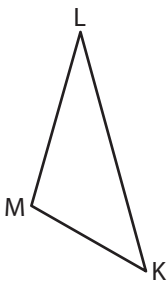
1) Scale factor of $\triangle RST$ to $\triangle FGH$ is 4 : 5. Find the sides of $\triangle FGH$.



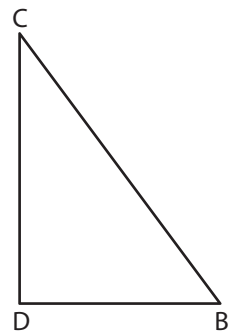
2) Scale factor of $\triangle PQR$ to $\triangle UVW$ is 2 : 9. Find the sides of $\triangle PQR$.



3) Scale factor of $\triangle KLM$ to $\triangle ABC$ is 3 : 4. Find the sides of $\triangle KLM$.



4) Scale factor of $\triangle ABC$ to $\triangle XYZ$ is 3 : 4. Find the sides of $\triangle XYZ$.



5) The scale factor of similar triangles $\triangle ABC$ to $\triangle DEF$ is 2 : 5. If $AB = 45$ yd and $ST = 35$ yd, determine the sides of $\triangle DEF$.

6) The scale factor of similar triangles $\triangle UVW$ to $\triangle LMN$ is 8 : 3. If $UV = 32$ in, $VW = 56$ in and $WU = 80$ in, find the sides of the triangle LMN .

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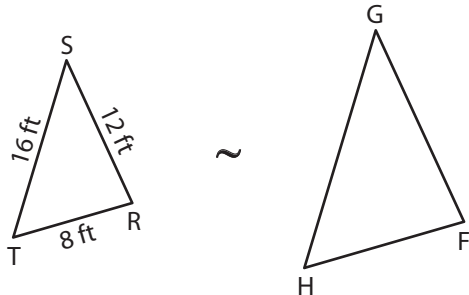
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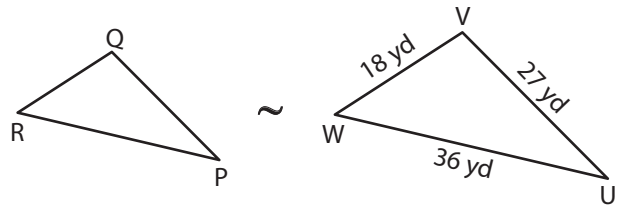
Similar Triangles - Finding Sides

- 1) Scale factor of $\triangle RST$ to $\triangle FGH$ is 4 : 5. Find the sides of $\triangle FGH$.



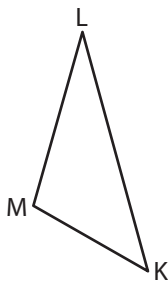
$FG = 15 \text{ ft} ; GH = 12 \text{ ft}$

- 2) Scale factor of $\triangle PQR$ to $\triangle UVW$ is 2 : 9. Find the sides of $\triangle PQR$.



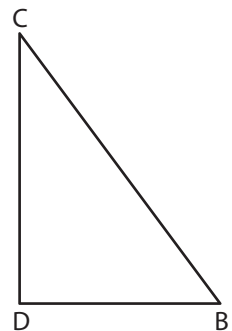
$PQ = 4 \text{ yd} ; PR = 8 \text{ yd}$

- 3) Scale factor of $\triangle KLM$ to $\triangle ABC$ is 3 : 4. Find the sides of $\triangle KLM$.



$KL = 42 \text{ in} ; LM = 36 \text{ in} ; MK = 30 \text{ in}$

- 4) Scale factor of $\triangle WXZ$ to $\triangle ABCD$ is 3 : 4. Find the sides of $\triangle WXZ$.



$WX = 24 \text{ ft} ; XZ = 20 \text{ ft} ; WZ = 25 \text{ ft}$

- 5) The scale factor of similar triangles $\triangle STU$ to $\triangle LMN$ is 3 : 4. If $ST = 45 \text{ yd}$ and $LN = 35 \text{ yd}$, determine the sides of $\triangle LMN$.

$JK = 42 \text{ yd} ; KL = 48 \text{ yd} ; LJ = 54 \text{ yd}$

- 6) The scale factor of similar triangles $\triangle Uvw$ to $\triangle LMN$ is 8 : 3. If $UV = 32 \text{ in}$, $VW = 56 \text{ in}$ and $WU = 80 \text{ in}$, find the sides of the triangle LMN .

$LM = 12 \text{ in} ; MN = 21 \text{ in} ; NL = 30 \text{ in}$

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