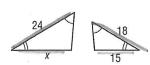
Welcome Back Warm-Up: 7.4 That Was SO Last Year!

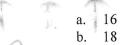
Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. Find *x*.



$$\frac{\times}{15} = \frac{24}{18}$$
 $x = 20$



2. $\triangle ABC \sim \triangle LMN$, AB = 18, BC = 12, LN = 9, and LM = 6. What is the scale factor of $\triangle ABC$ to $\triangle LMN$?

a.
$$\frac{9}{2}$$

$$\frac{18}{6} = 3$$
 c. $\frac{3}{1}$ $\frac{18}{18}$ $\frac{8}{12}$ $\frac{18}{9}$

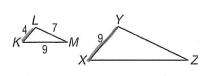
c.
$$\frac{3}{1}$$



d.
$$\frac{2}{1}$$

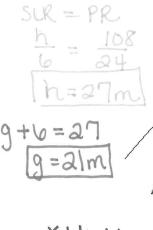


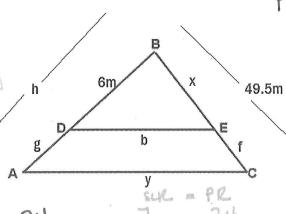
3. If $\triangle KLM \sim \triangle XYZ$, find the perimeter of $\triangle XYZ$.

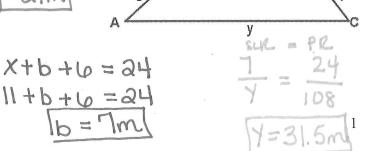


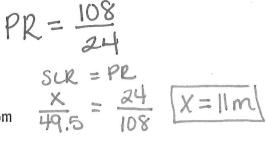
Short Answer

4. Given △ABC~△DBE. If the perimeter of ABC is 108m and the perimeter of triangle DBE is 24m, find all







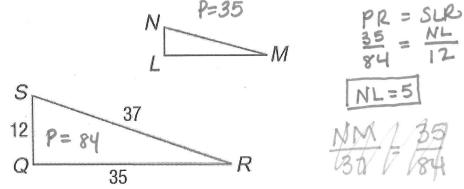


$$X+f=49.5$$
 $f=38.5m$

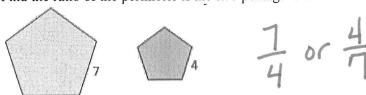
TAT.	
Name:	

NL

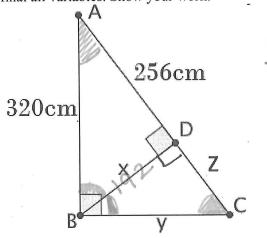
5. If the perimeter of \triangle LMN is 35 units, find each side length of the triangle.



6. Find the ratio of the perimeter if the two pentagons are similar.



7. The perimeter of $\triangle BDC = 576$ cm and the perimeter of $\triangle ADB = 768$ cm. Write the similarity statement, then final all variables. Show your work.



$$\frac{192}{2} = \frac{250}{192}$$
 $Z = 144$

DABC ~ DBDC ~ DADB

 $x^{2} + 256^{2} = 320^{2}$ x = 192 cm y = 240 cm x = 192 x = 192 cm x =