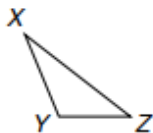
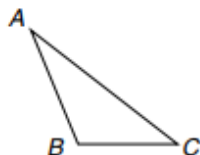


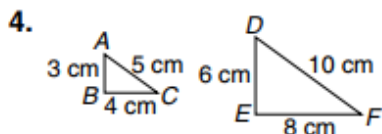
**LESSON**  
**5-7** **Practice A**  
**Similar Figures and Proportions**

Identify the corresponding sides.



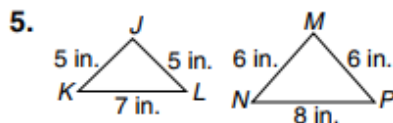
1.  $AB$  corresponds to \_\_\_\_\_.
2.  $BC$  corresponds to \_\_\_\_\_.
3.  $AC$  corresponds to \_\_\_\_\_.

Identify the corresponding sides. Then use ratios to determine whether the triangles are similar.



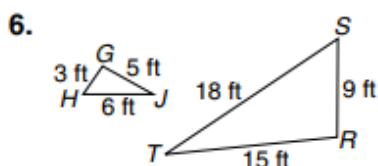
\_\_\_\_\_

\_\_\_\_\_



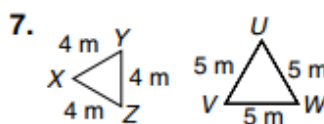
\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

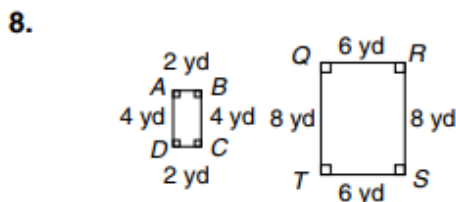
\_\_\_\_\_



\_\_\_\_\_

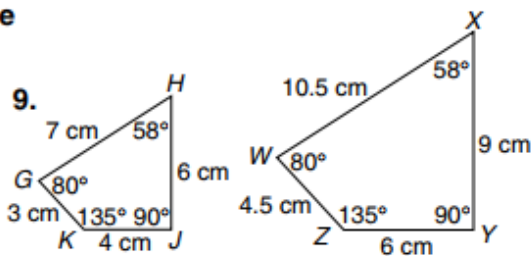
\_\_\_\_\_

Use the properties of similarity to determine whether the figures are similar.



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

LESSON

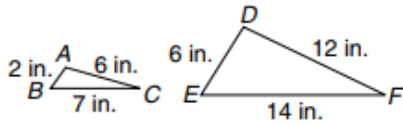
5-7

## Practice B

### Similar Figures and Proportions

Identify the corresponding sides in each pair of triangles.  
Then use ratios to determine whether the triangles are similar.

1.

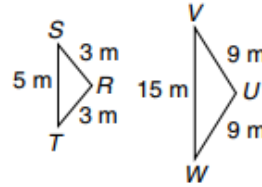



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2.

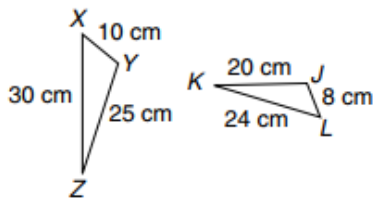



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3.

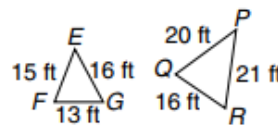



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4.



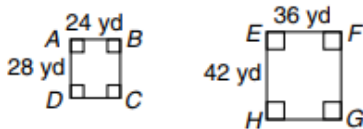

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Use the properties of similarity to determine whether the figures are similar.

5.

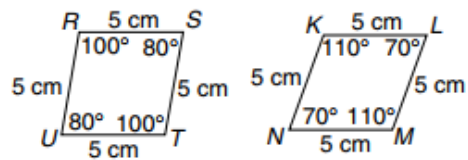



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6.




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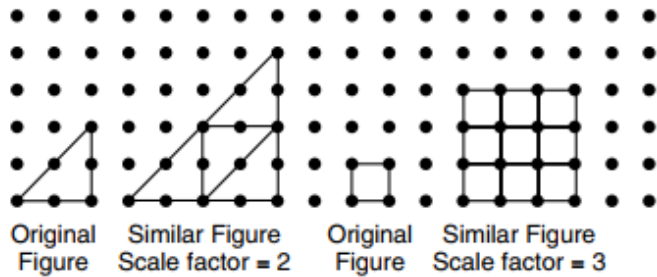
**LESSON**

**5-7**

**Challenge**

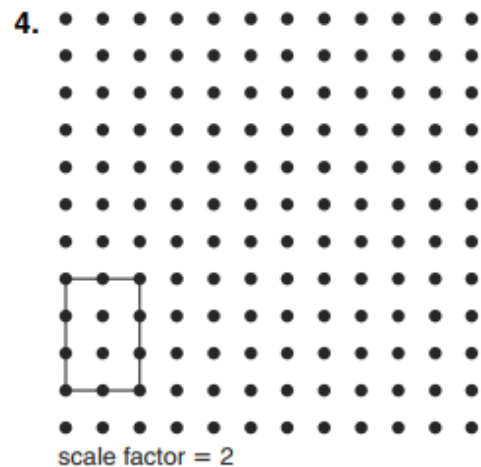
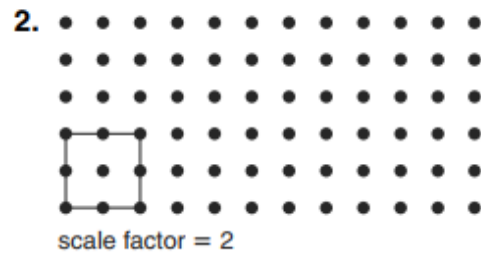
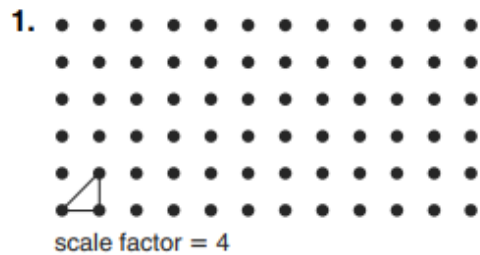
***The Same, Only Bigger***

You can sometimes create a similar figure by using copies of the original figure.



Notice that the scale factor tells you how many times to repeat the original figure along each side or edge of the similar figure.

**Use the given scale factor and copies of the original figure to draw a figure similar to the original figure.**



5. Draw a figure in the space below. Use a scale factor of 2 to create a similar figure.



# Puzzles, Twisters & Teasers

## Concentrating on Figures

Pretend this is a game of concentration. The object of the game is to match cards with similar figures. Each box represents a card with a figure on it. When you match 2 cards, cross them out. Rearrange the letters of the unmatched cards to solve the riddle.


What kind of flowers are on your face?

\_\_\_\_\_