Name

LESSON 18.3
**More Practice/
Homework**

ONLINE
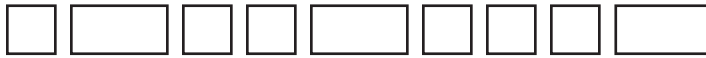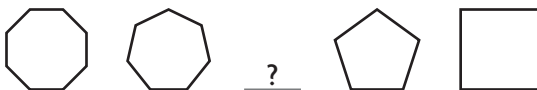**Ed** Video Tutorials and
Interactive Examples

Generate and Identify Shape Patterns

1 Craig uses rubber stamps to make the following pattern. What might be the next five figures in his pattern?
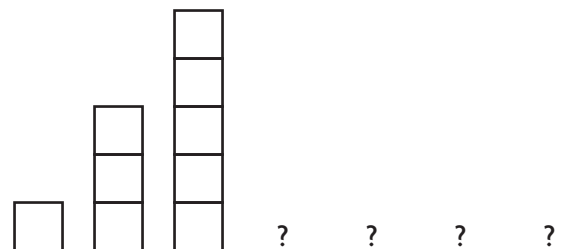

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2 (MP) **Attend to Precision** Sara sews this pattern on placemats she is making. Describe a possible pattern. Use precise geometric terms.

_____

_____

3 Describe a pattern and predict the missing figure in the pattern.

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_____

4 Use the figures to write a number pattern. Then describe your number pattern. How many small squares will be in the seventh figure in your pattern?

_____

_____

Test Prep

5 Evan makes the following pattern on a poster. The pattern starts with 2 triangles and 1 pentagon. This repeats using the rule *add 1 pentagon* to continue the pattern. What are the next six figures in the pattern?
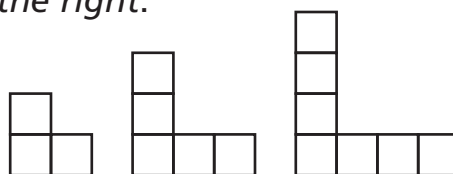
△ △ ⬠ △ △ ⬠ ⬠ △ △ ⬠ ⬠ ⬠

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6 Naomi makes the following pattern: *triangle, quadrilateral, pentagon, hexagon. She uses the rule increase the number of sides of the polygon by 1.* How many sides will the next figure in her pattern have?

Ⓐ 6   Ⓒ 8

Ⓑ 7   Ⓓ 9

7 Marco is drawing a shape pattern. His pattern follows the rule *add 1 square to the top and 1 square to the right*. These are the first three figures in his pattern.
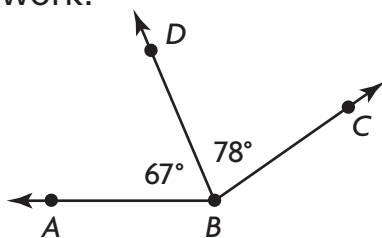
Which will be the number of squares in the fifth figure in Marco's pattern?

Ⓐ 5   Ⓑ 7   Ⓒ 9   Ⓓ 11

Spiral Review

8 Add to find the measure of ∠ABC. Write an equation to record your work.

D

C

78°

67°

A   *B*

9 Marley makes $24.50 washing cars. He wants to buy a shirt that costs $16.85. Can he also buy the matching hat for $7.95? Explain.