

Repeating Patterns

Draw the next three shapes to continue the pattern.



Write the next three numbers to continue the pattern.

3. 4, 6, 2, 8, 4, 6, 2, 8, 4, ...

4. 3, 3, 5, 3, 3, 5, 3, 3, 5, ...

5. **Draw a Picture** What is the 12th shape in the pattern below?



6. **Strategy Practice** Penny has made a pattern of shapes on her bedroom walls. She drew a rectangle, 2 circles, a rectangle, and then 2 more circles until she drew 24 circles. How many shapes did she draw in all?

7. Mrs. Washington placed students in a line. The order was 1 boy, 2 girls, 2 boys, and continued. Was the 10th student a boy or a girl?

8. What is the 15th number in the pattern below?
3, 6, 5, 2, 3, 6, 5, 2, ...

A 2

B 3

C 5

D 6