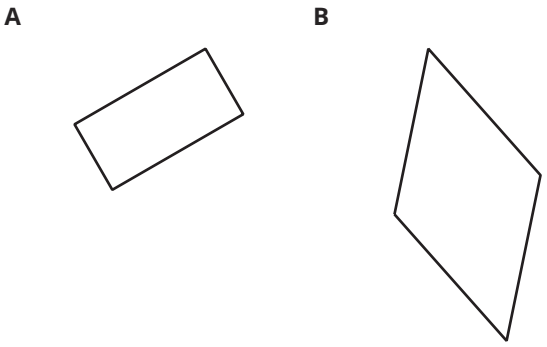
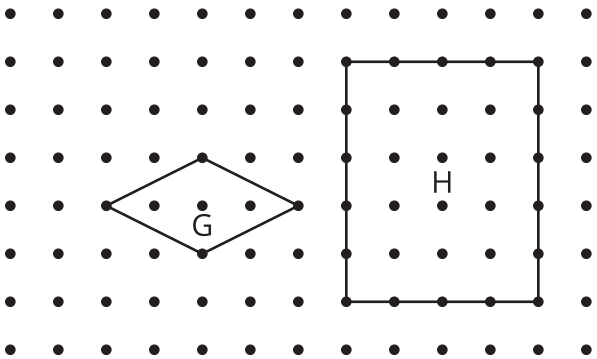
Two-dimensional Shapes and Perimeter: End-of-Unit Assessment

1. How are the two shapes the same?

   How are the two shapes different?



2. Select **all** true statements.



A. Figure G is a rhombus.

B. Figure G is a rectangle.

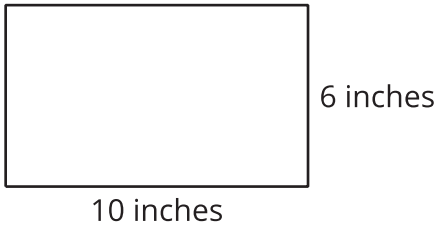
C. Figure G is a square.

D. Figure H is a rhombus.

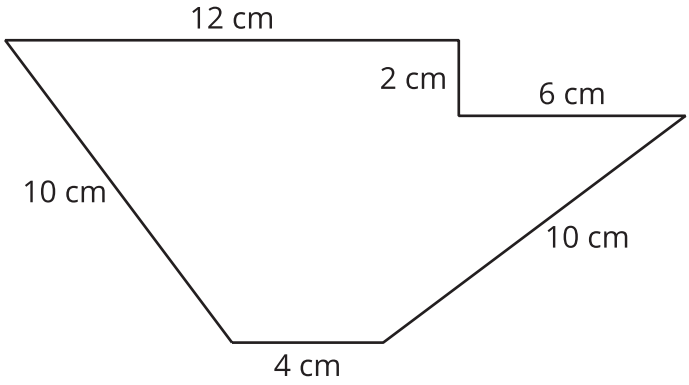
E. Figure H is a rectangle.

F. Figure H is a square.

3. Find the perimeter of the rectangle. Explain or show your reasoning.



4. What is the perimeter of the shape?



A. 24 cm

B. 36 cm

C. 42 cm

D. 44 cm

5. A quadrilateral has one side length that is 8 centimeters. Select **all** statements that must be true about the quadrilateral.

   A. If the quadrilateral is a rhombus, then the perimeter is 32 centimeters.

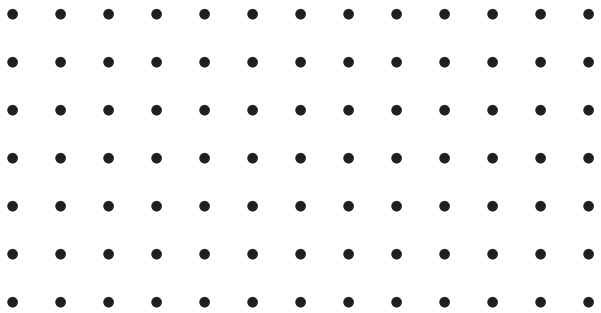
   B. If the quadrilateral is a rectangle, then the perimeter is 32 centimeters.

   C. If the quadrilateral is a square, then the perimeter is 32 centimeters.

   D. If the quadrilateral is a rectangle, then the area is 64 square centimeters.

   E. If the quadrilateral is a square, then the area is 64 square centimeters.

6. a. Draw two rectangles with an area of 12 square units that have different perimeters.



   b. Find the perimeter of each rectangle.

7. Priya wants to make a rectangular playpen for her dog. She has 18 meters of fencing material.

    a. Andre suggests that Priya make a playpen that is 10 meters long and 8 meters wide. Explain why Priya does not have enough fencing to make this playpen.

    b. What are 2 possible pairs of side lengths Priya could use for the playpen that would give different areas? Explain or show your reasoning.

    c. Which playpen do you think Priya should make? Explain or show your reasoning.