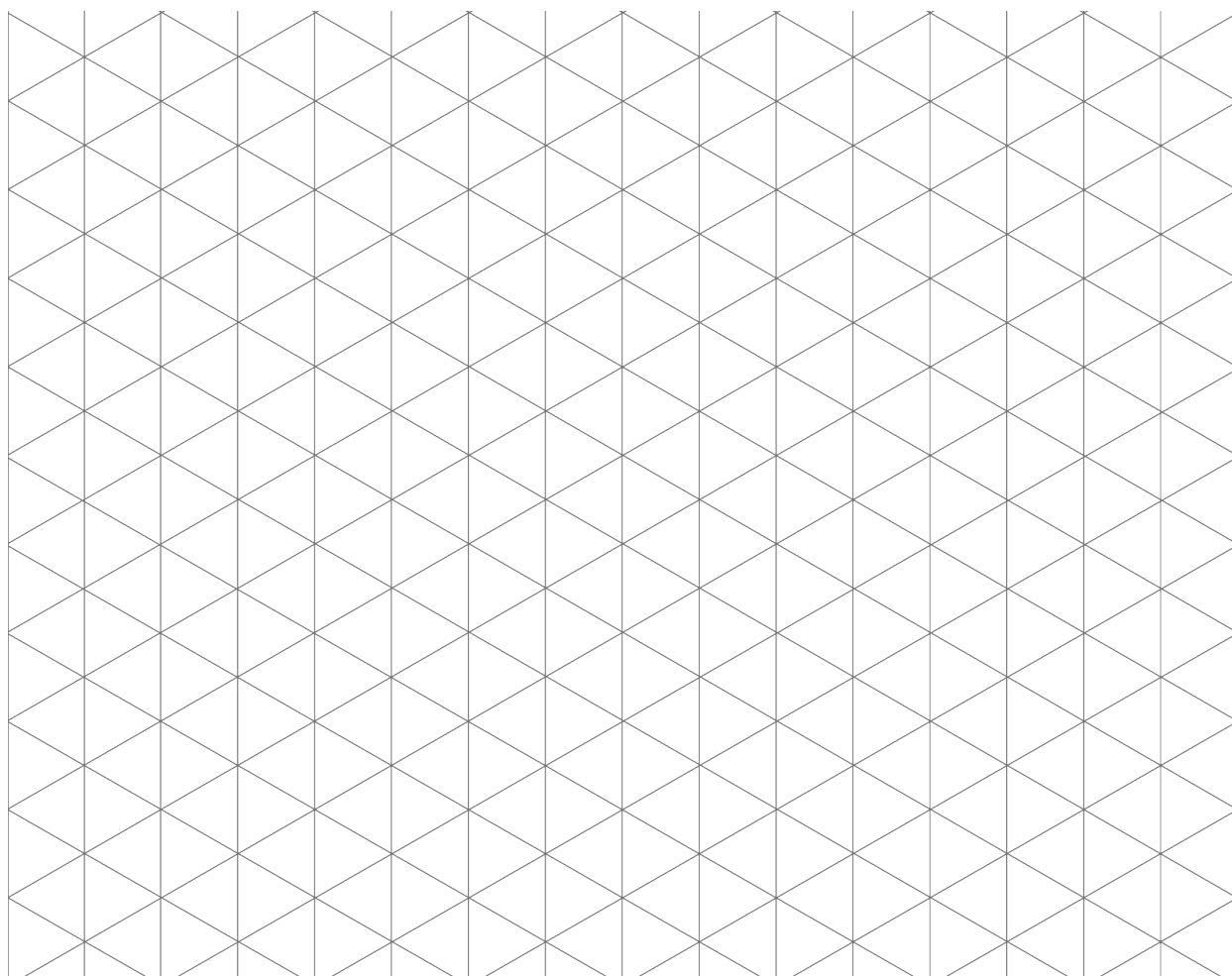


Unit 1 Lesson 3: Making the Moves

1 Notice and Wonder: The Isometric Grid (Warm up)

Student Task Statement

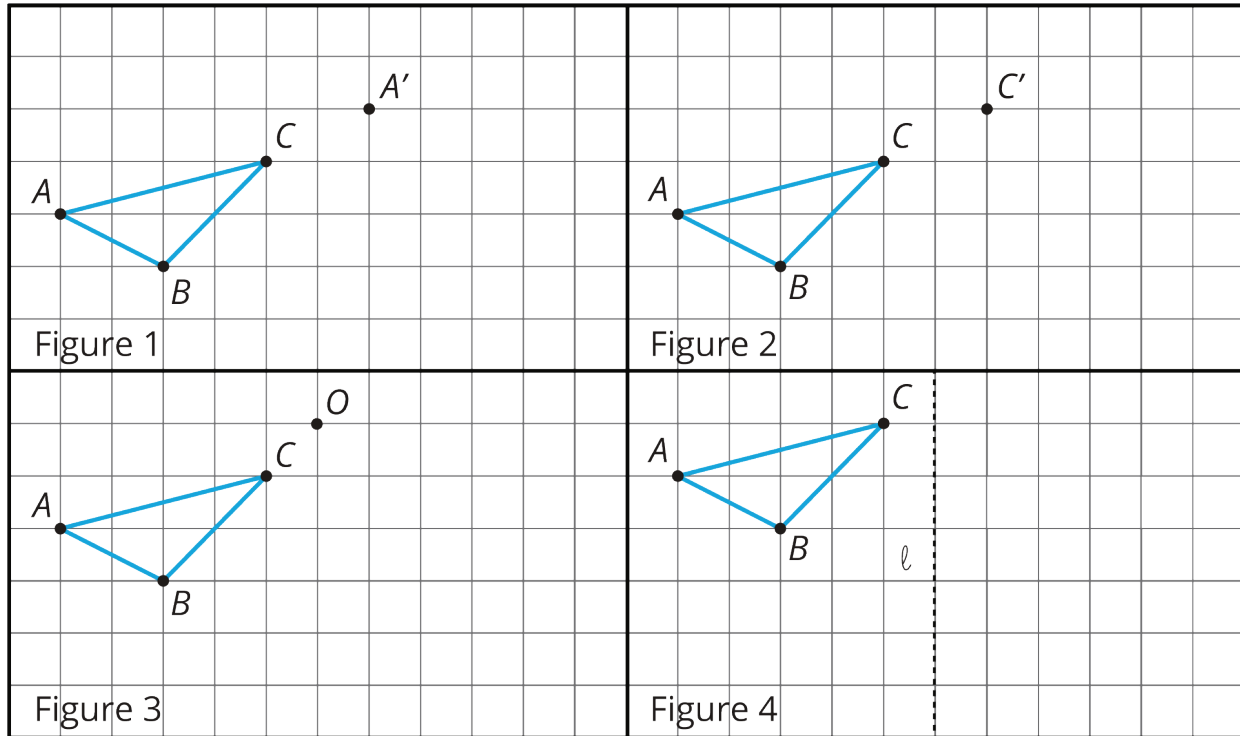
What do you notice? What do you wonder?



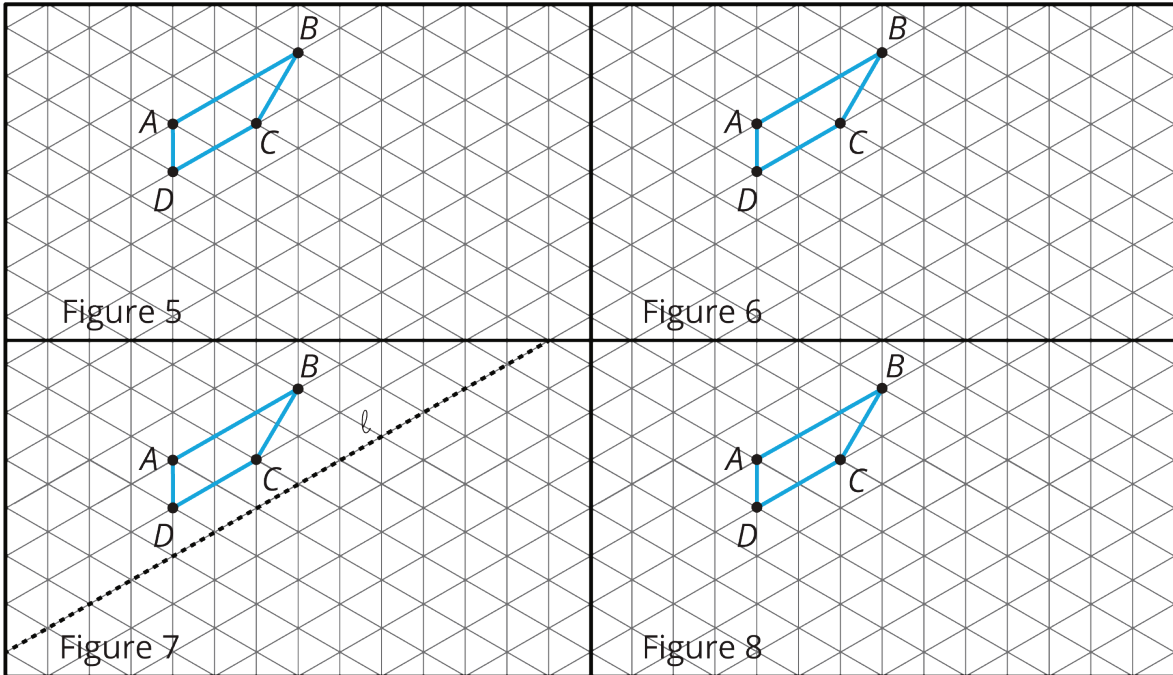
2 Transformation Information

Student Task Statement

Your teacher will give you tracing paper to carry out the moves specified. Use A' , B' , C' , and D' to indicate vertices in the new figure that correspond to the points A , B , C , and D in the original figure.



1. In Figure 1, translate triangle ABC so that A goes to A' .
2. In Figure 2, translate triangle ABC so that C goes to C' .
3. In Figure 3, rotate triangle ABC 90° counterclockwise using center O .
4. In Figure 4, reflect triangle ABC using line ℓ .



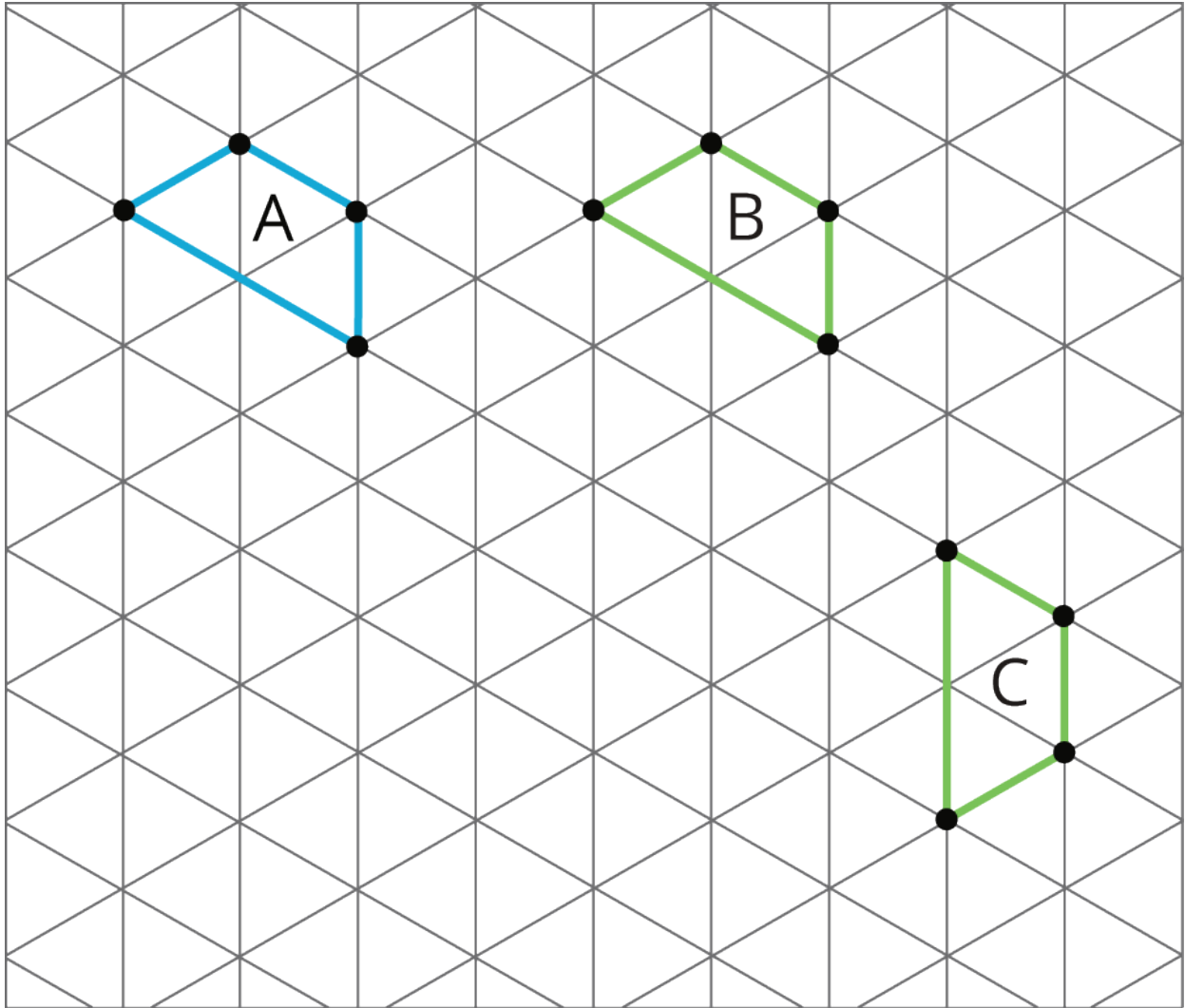
5. In Figure 5, rotate quadrilateral $ABCD$ 60° counterclockwise using center B .
6. In Figure 6, rotate quadrilateral $ABCD$ 60° clockwise using center C .
7. In Figure 7, reflect quadrilateral $ABCD$ using line ℓ .
8. In Figure 8, translate quadrilateral $ABCD$ so that A goes to C .

3 A to B to C
Images for Launch



Student Task Statement

Here are some figures on an isometric grid.



1. Name a transformation that takes Figure *A* to Figure *B*. Name a transformation that takes Figure *B* to Figure *C*.
2. What is one **sequence of transformations** that takes Figure *A* to Figure *C*? Explain how you know.