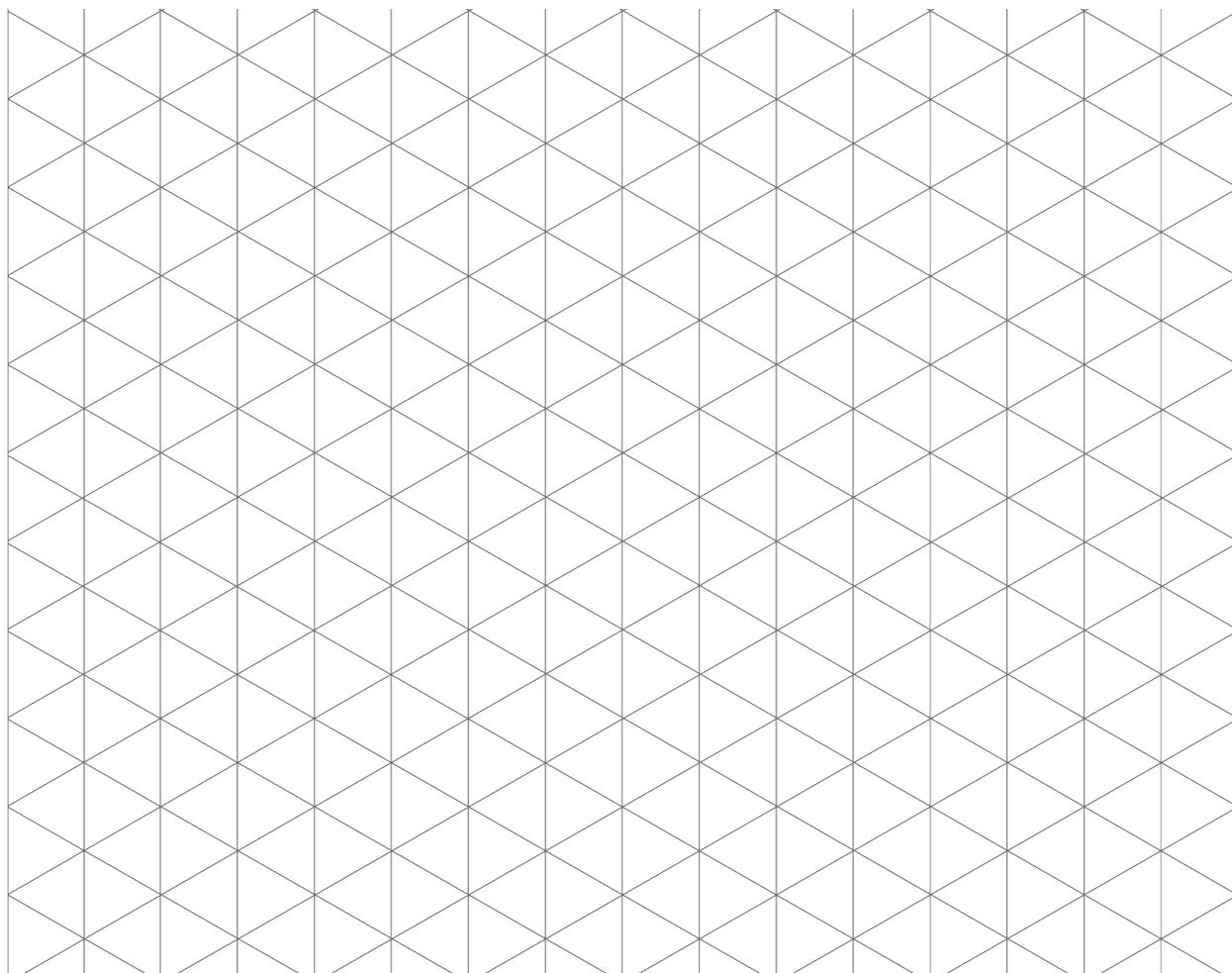# Unit 1 Lesson 3: Grid Moves

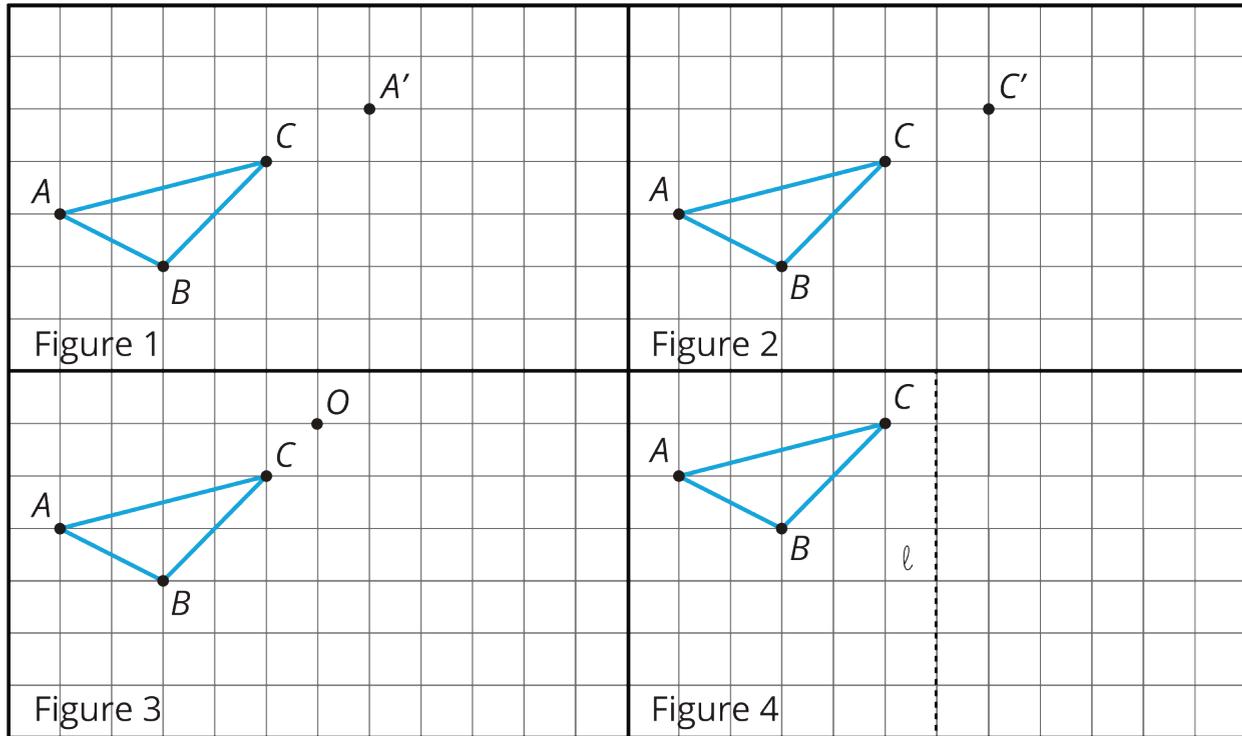## 1 Notice and Wonder: The Isometric Grid (Warm up)

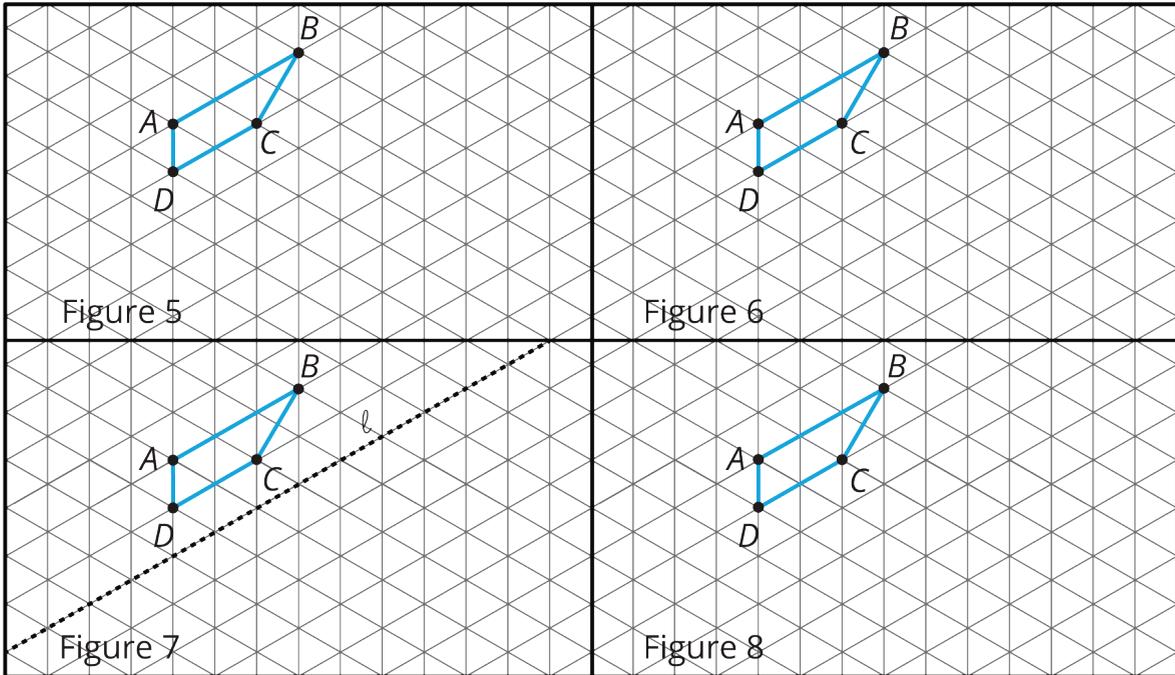**Student Task Statement**

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.

Figure 5

Figure 6

Figure 7

Figure 8

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.