## Lesson 5: Symmetry in Figures (Part 2)

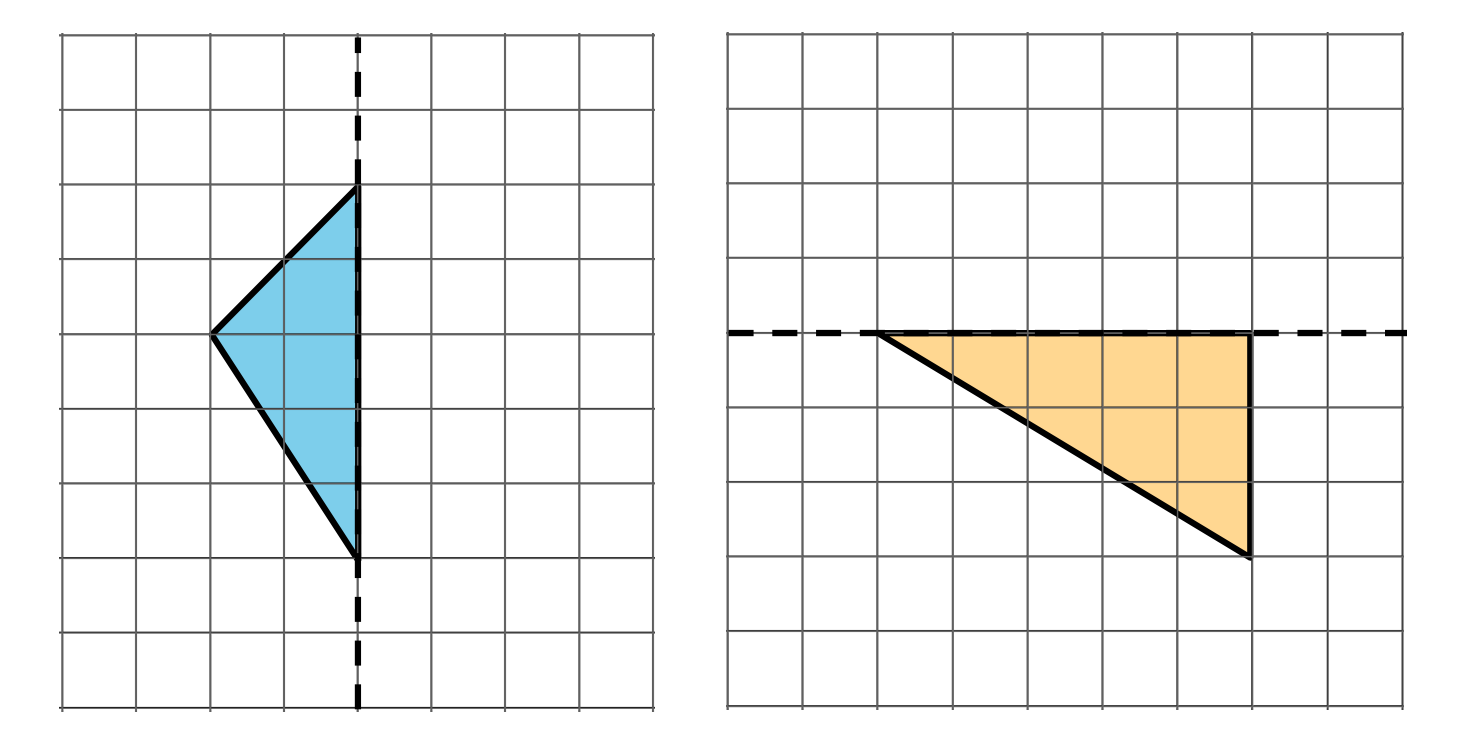
* Let’s draw some figures that have lines of symmetry.

### Warm-up: Number Talk: Keeping Track

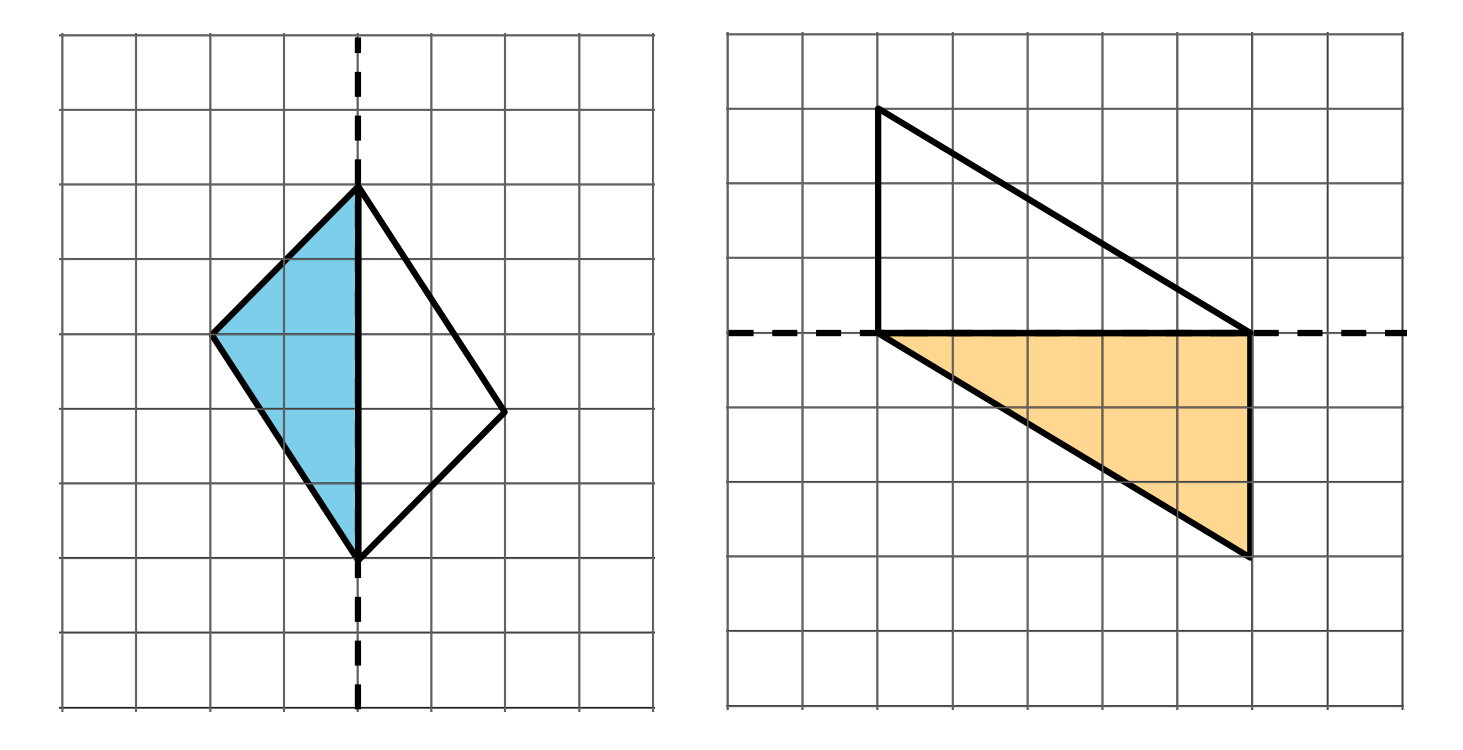
Find the value of each expression mentally.

### 5.1: Half-drawn Figures

Each shaded triangle is half of a whole figure that has a line of symmetry shown by the dashed line.



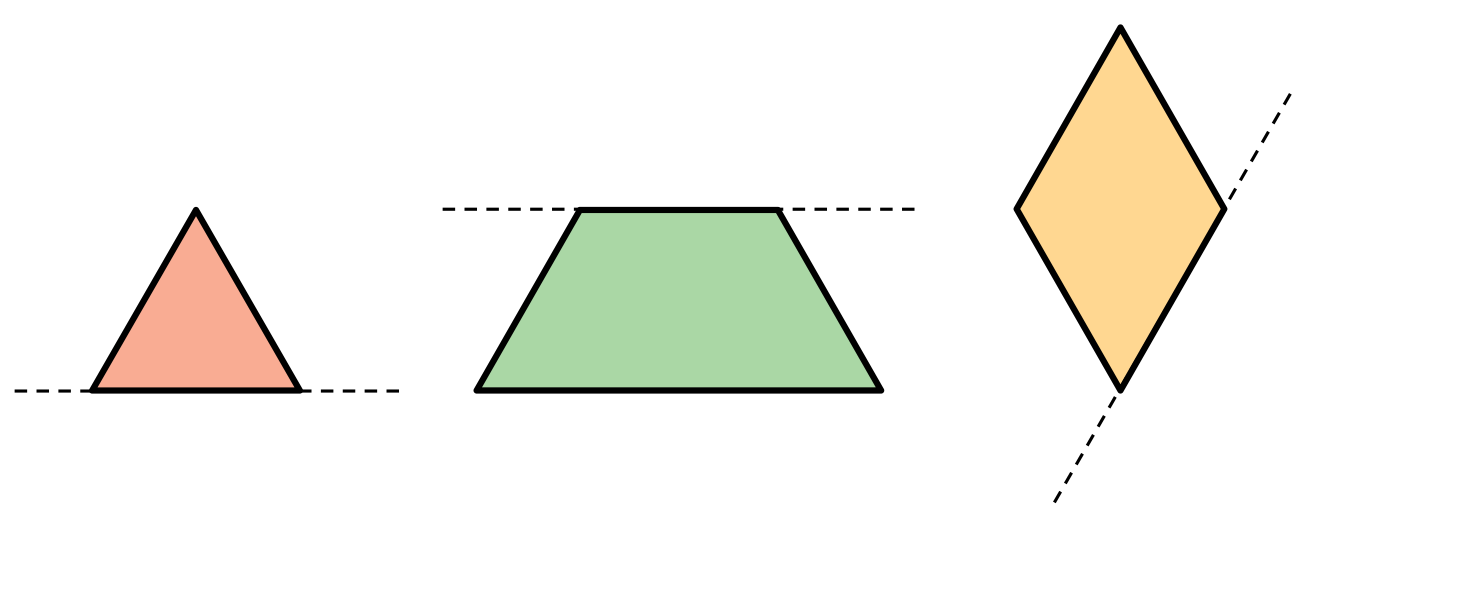
Clare drew in some segments to show the missing half of each figure.



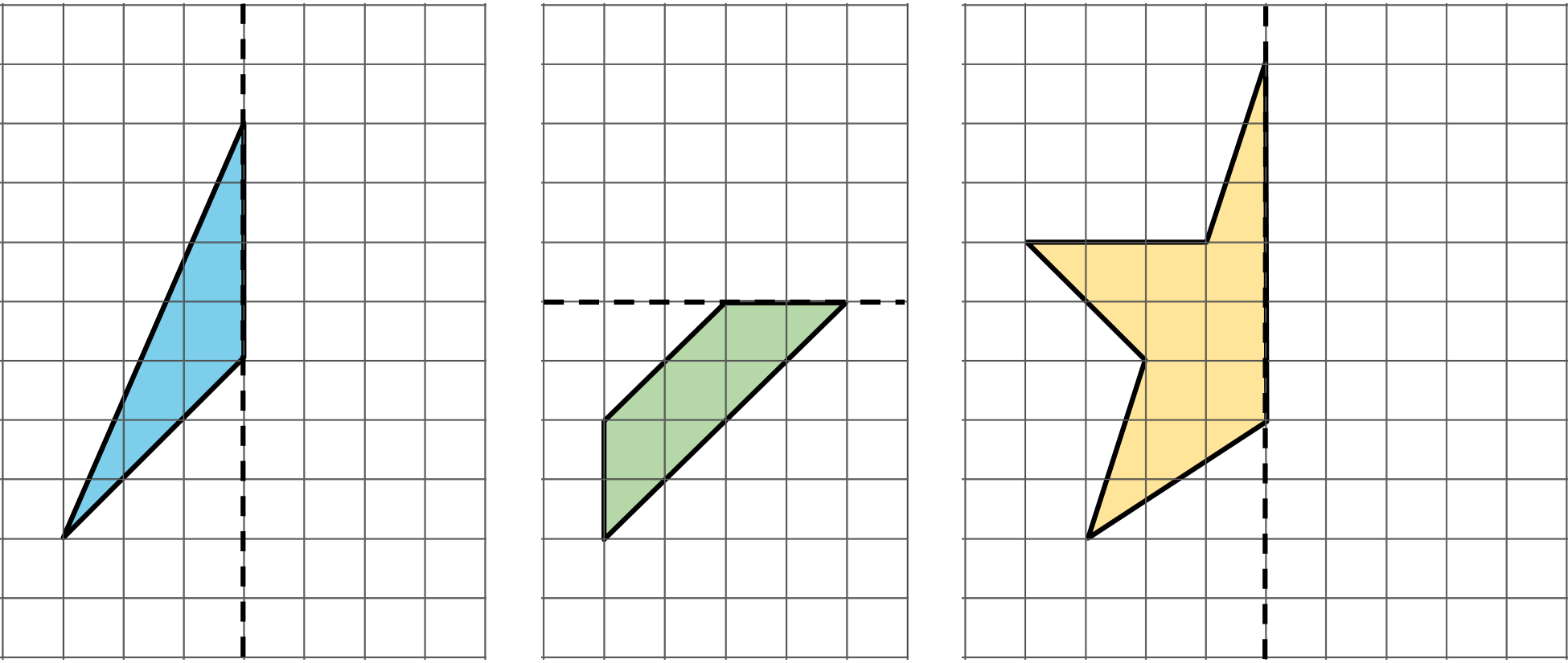
Do you agree that the dashed line is a line of symmetry for each figure Clare completed? Explain your reasoning. If you disagree with Clare's work, show a way to complete the drawing so the dashed line is a line of symmetry.

### 5.2: What’s the Whole Picture?

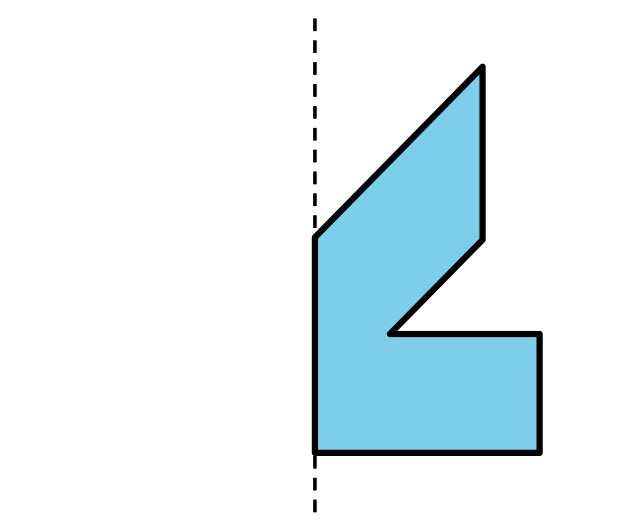
1. Here are three figures. Each figure is half of a whole figure. The dashed line is a line symmetry of that figure.

* 
* Use patty paper to help you draw the whole figure.

1. Each figure on the grid is half of a whole figure that has a line of symmetry. The dashed line shows the line of symmetry. Use the grid to help you draw the whole figure. Be as precise as possible.

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1. Here is another figure that is half of a whole figure with a vertical line of symmetry. Draw the whole figure. Be as precise as possible.

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### 5.3: What Could the Whole Figure Be?

Trace a triangle cutout from your teacher.

If the triangle is half of a whole figure that has line symmetry, what could the whole figure look like? Can you show two possibilities? Three possibilities?



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