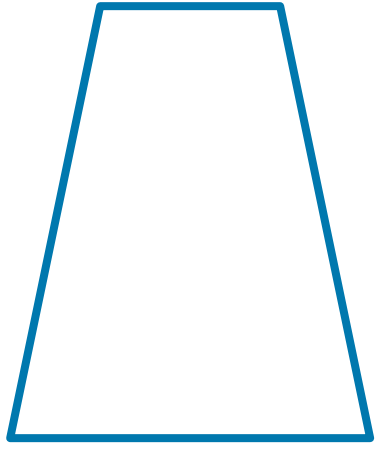
How many lines of symmetry does this polygon have?



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In this lesson you will learn how to identify line symmetry in irregular polygons by folding the figure into matching parts.

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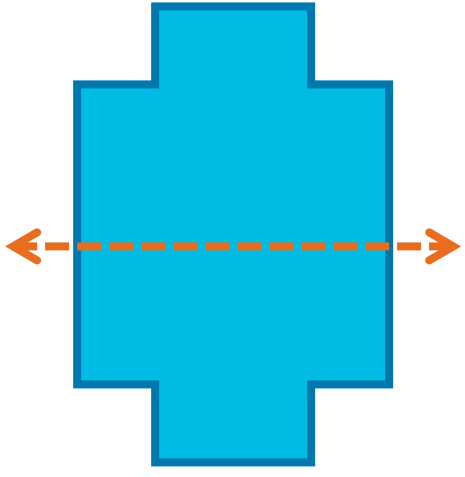
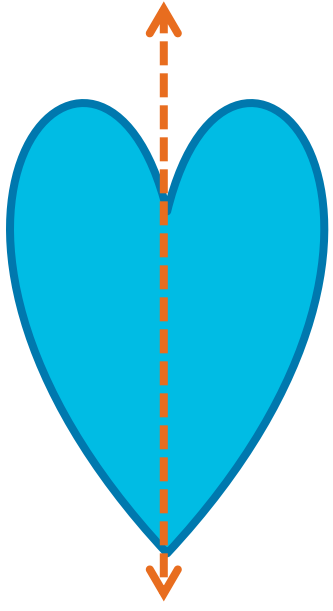
# Let's Review

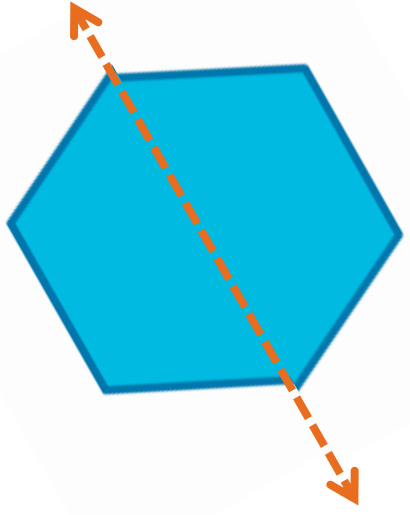
## Line Symmetry



Horizontal



Vertical



Diagonal

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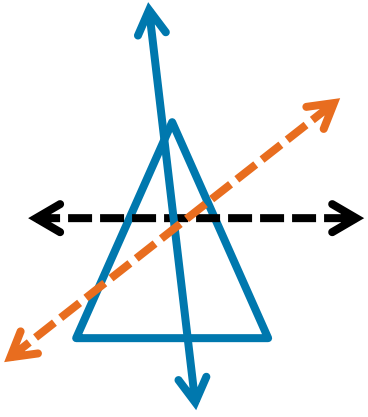
# A Common Misunderstanding

## Line Symmetry



* Remember when we fold on the line of symmetry we need to have two equal parts.

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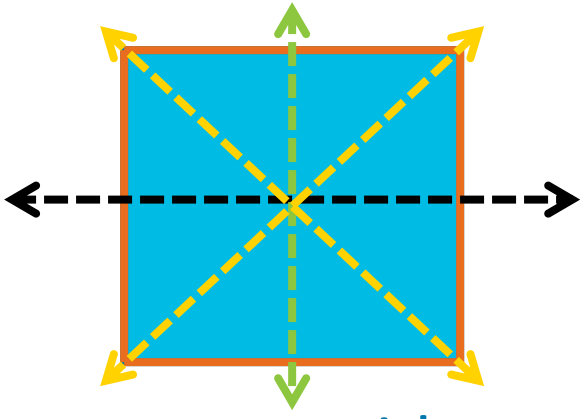
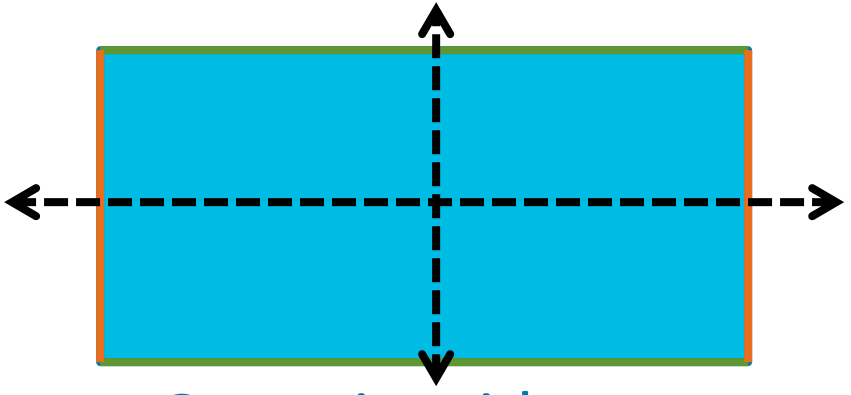
# A Common Misunderstanding

## Regular



4 congruent sides means
4 lines of symmetry

## Irregular



Opposite sides are congruent – will not have 4 lines of symmetry

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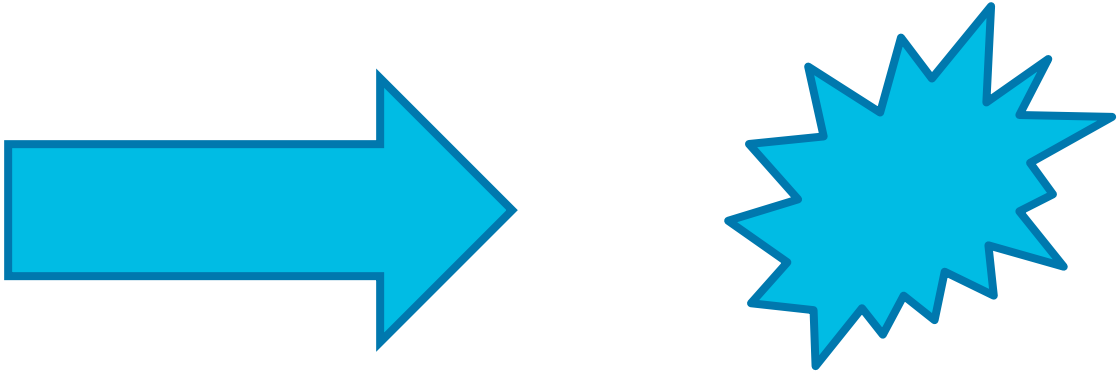
Core Lesson

# Irregular Polygon



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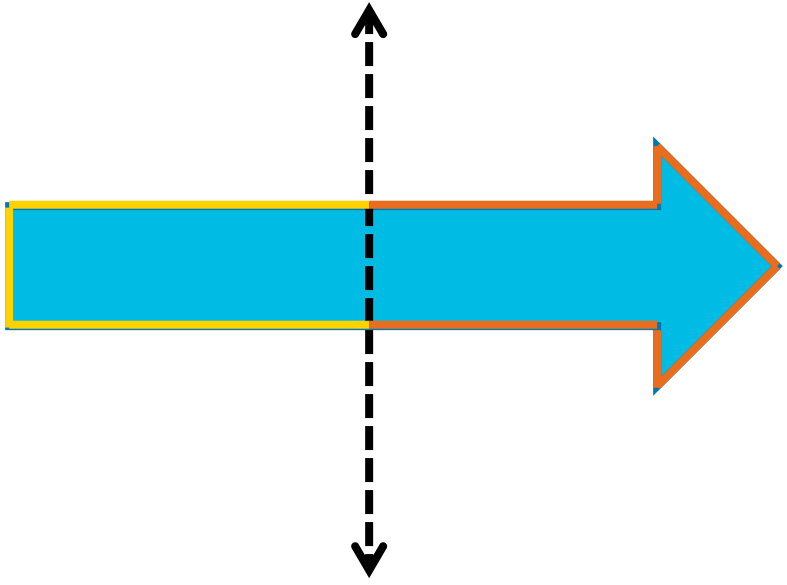

The arrow does not have a vertical line of symmetry.

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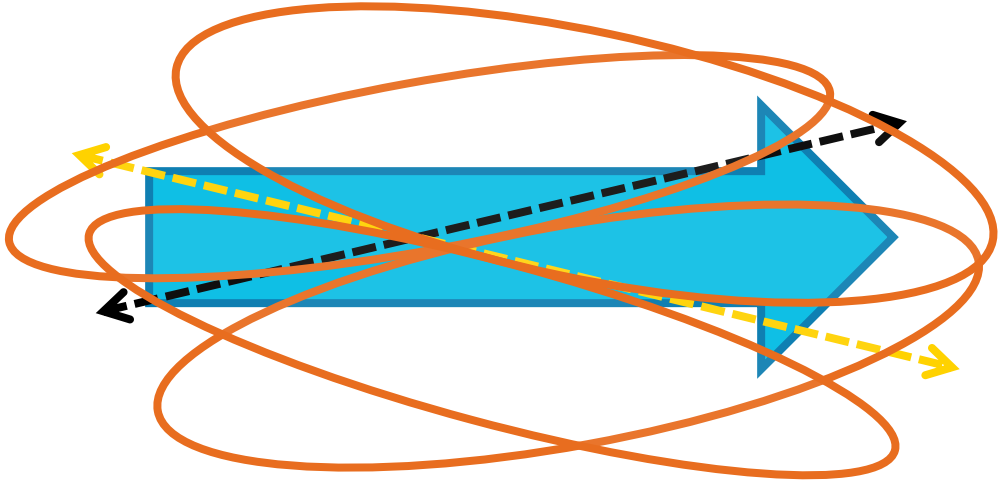

The arrow does not have a diagonal line of symmetry.

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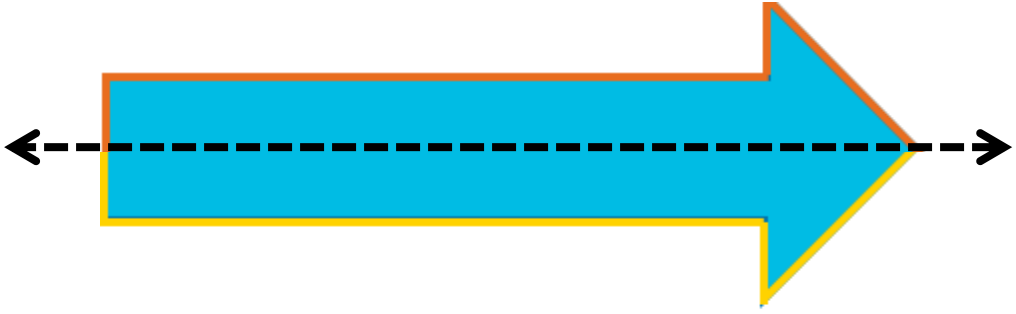

The arrow has 1 horizontal line of symmetry.

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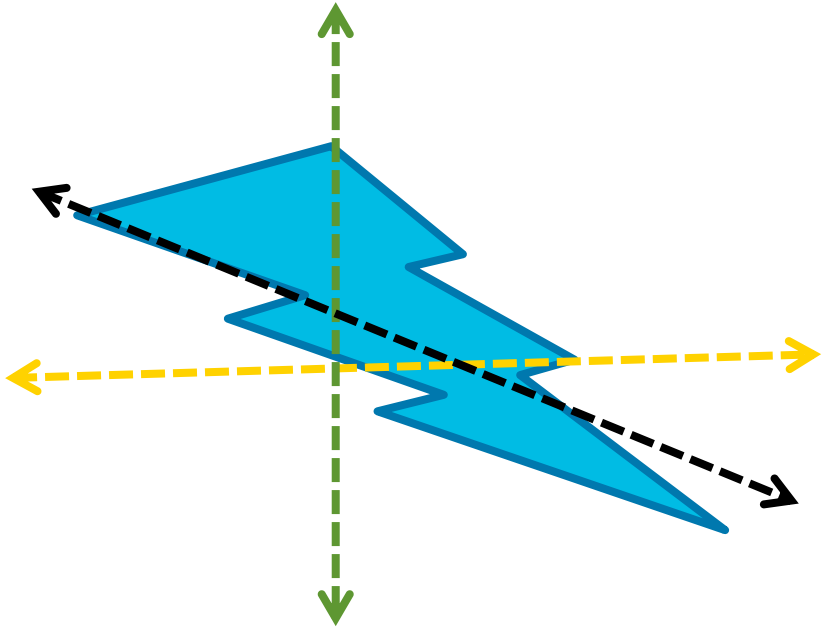

This lightning bolt has NO lines of symmetry.

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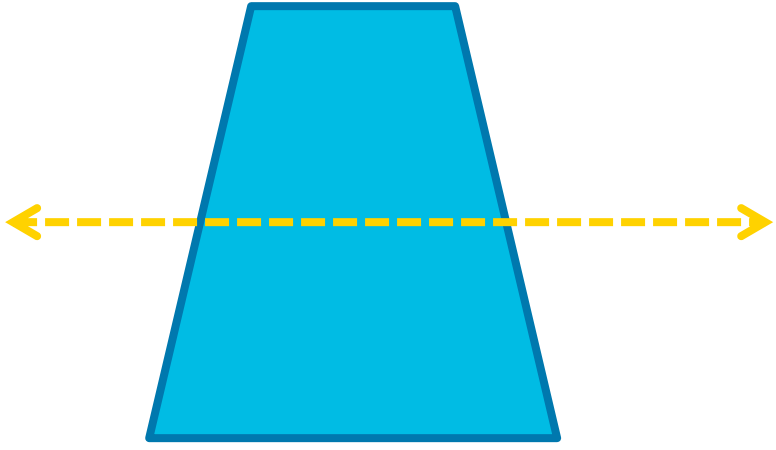

The trapezoid does not have a horizontal line of symmetry.

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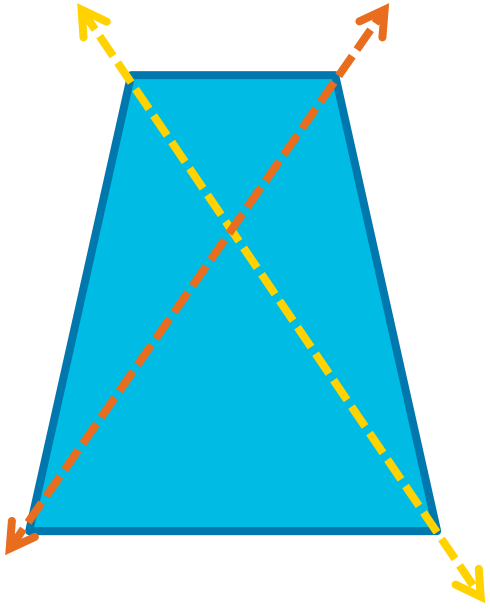

The trapezoid does not have a diagonal line of symmetry.

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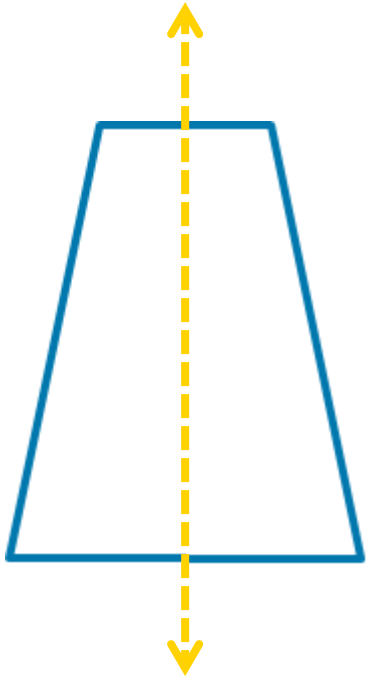
Core Lesson



This trapezoid has 1 vertical line of symmetry.

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In this lesson you have learned how to identify line symmetry in irregular polygons by folding the figure into matching parts.

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