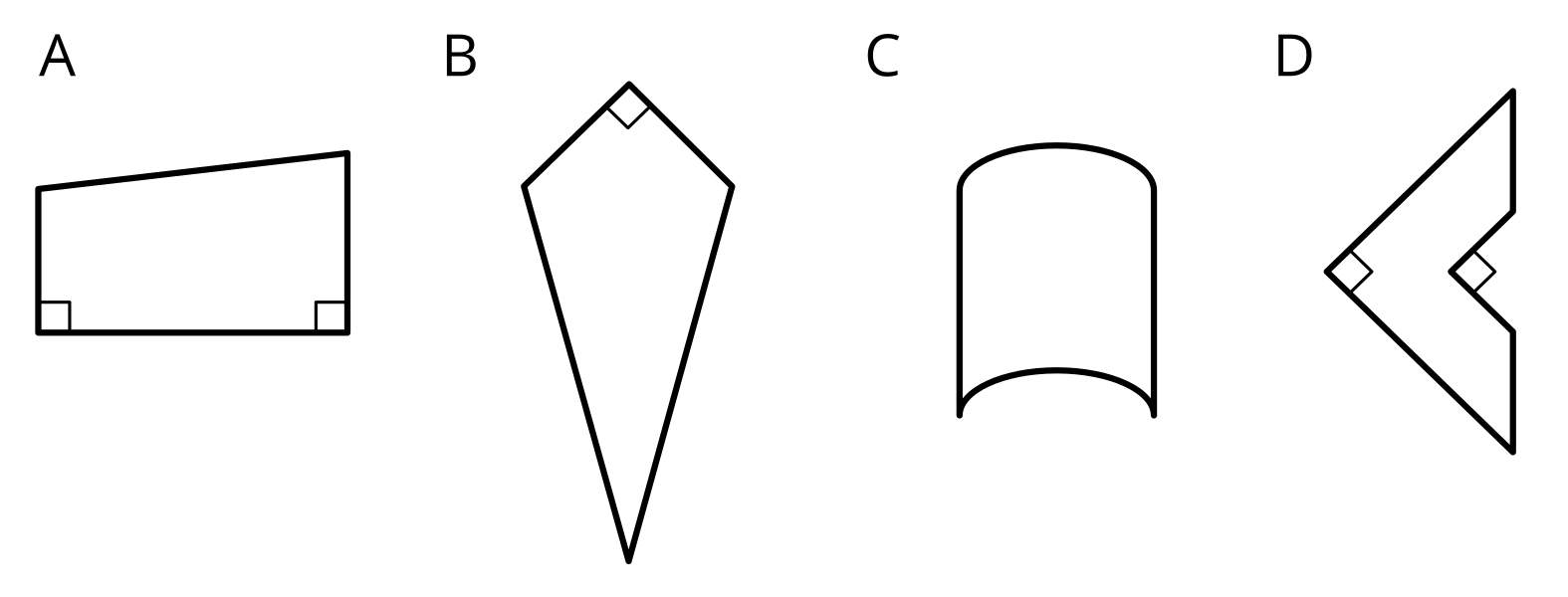
## Unit 8 Lesson 9: Symmetry in Action

### WU Which One Doesn’t Belong: Figures (Warm up)

#### Student Task Statement

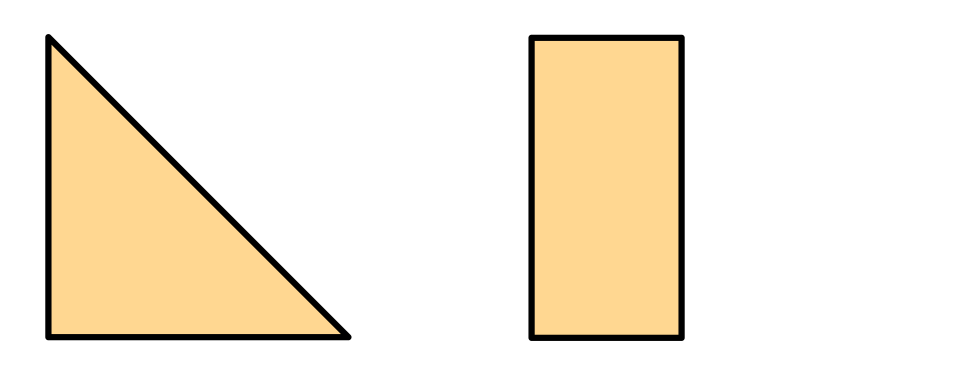
Which one doesn’t belong?



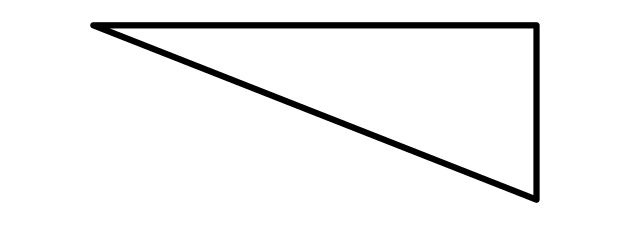
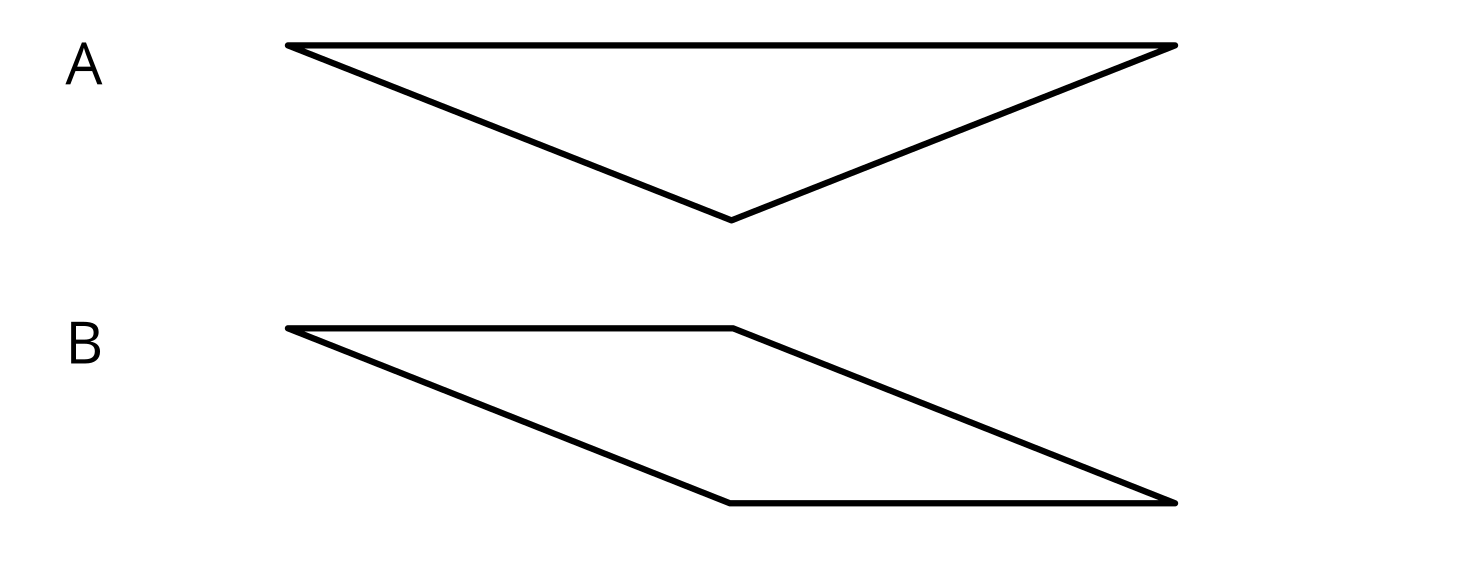
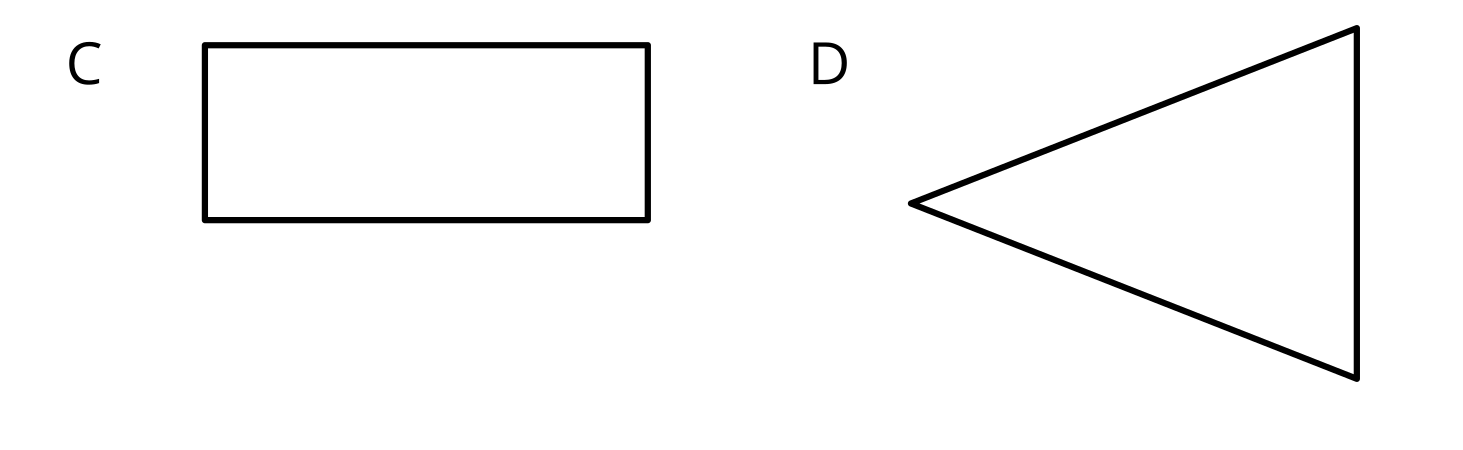
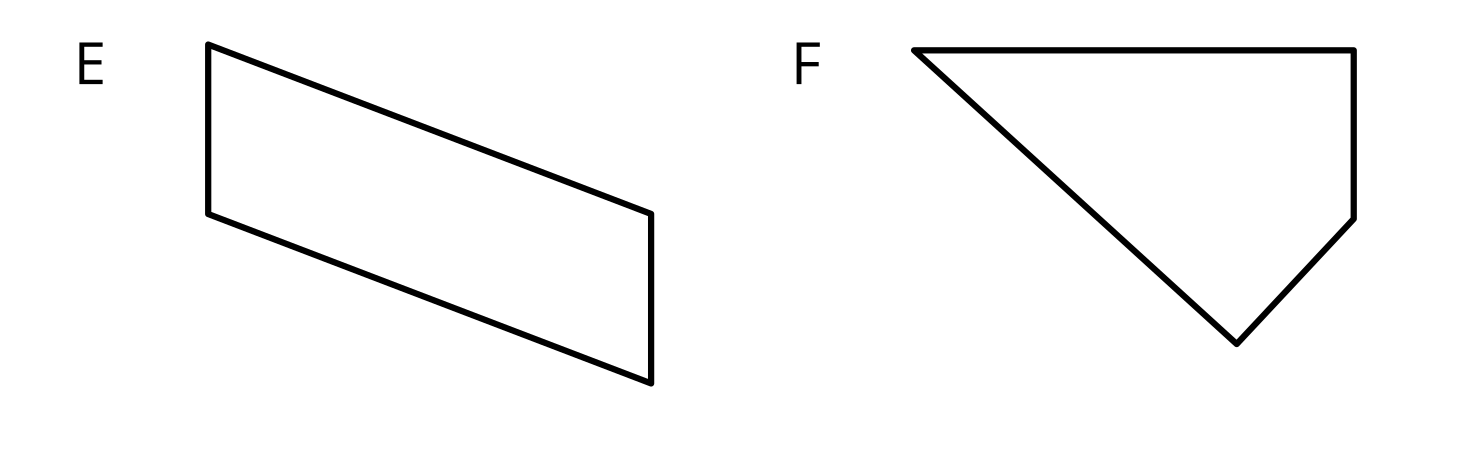
### 1 Before and After

#### Student Task Statement

1. Mai has a piece of paper. She can get two different shapes by folding the paper along a line of symmetry. What is the shape of the paper before it was folded?

* 

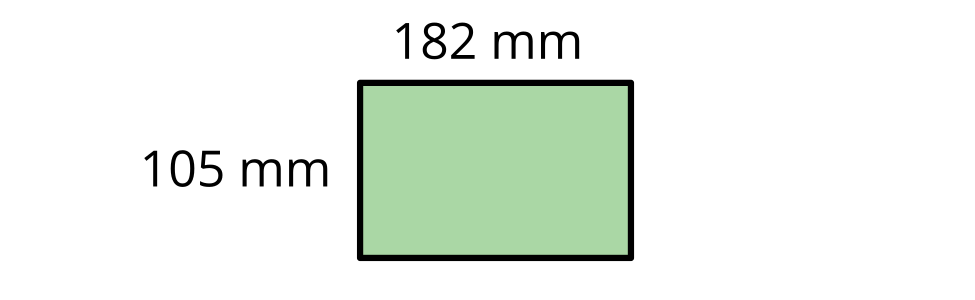
1. Diego folded a piece of paper once along a line of symmetry and got this right triangle.

* 
* Which shapes could the paper have before it was folded? Explain or show how you know.
* 
* 
* 

### 2 Before and After, Perimeter Edition

#### Student Task Statement

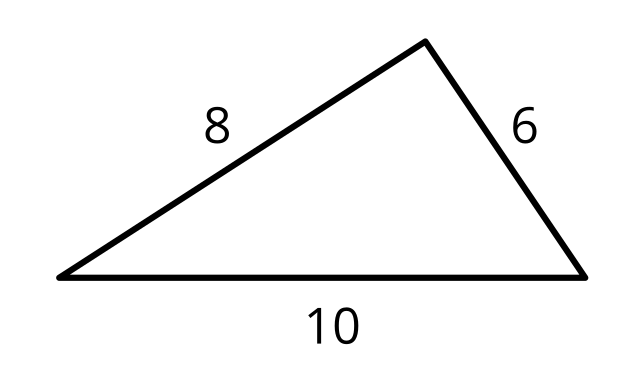
1. Jada folded a piece of paper along a line of symmetry and got this rectangle.

* 
  1. What could the paper look like before being folded? Draw one or more sketches.
  2. Write an expression for the perimeter of the unfolded paper.

1. Kiran folded a piece of paper twice—each time along a line of symmetry—and got the same rectangle as Jada did.

* Show that each expression could represent the perimeter of the paper Kiran folded.

#### Images for Activity Synthesis





© CC BY 2021 Illustrative Mathematics®