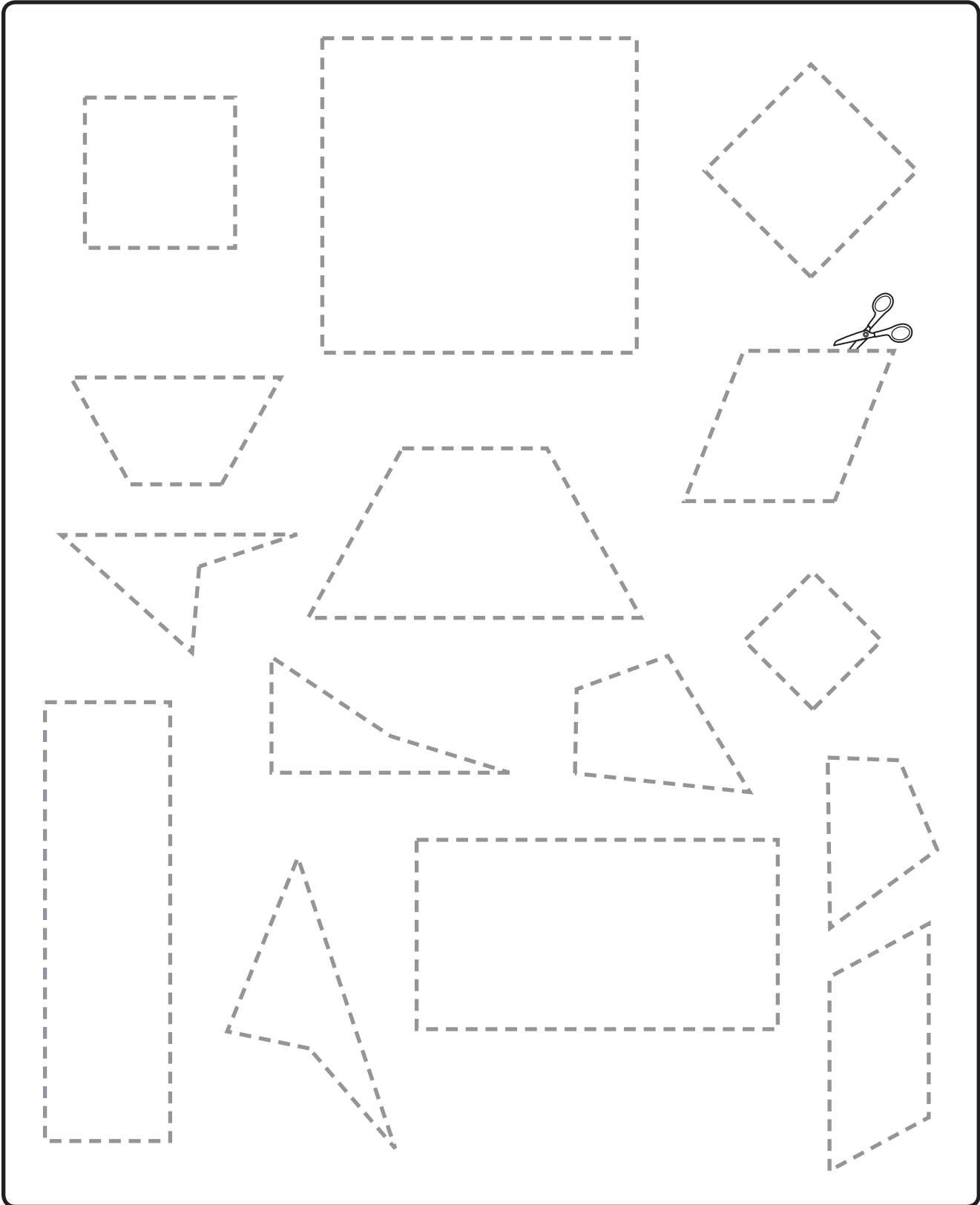
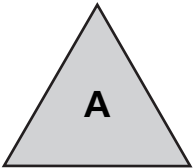
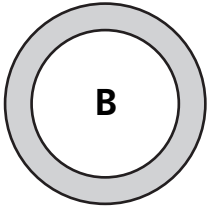
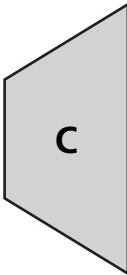
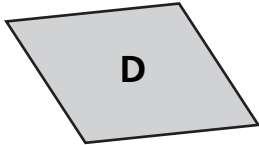
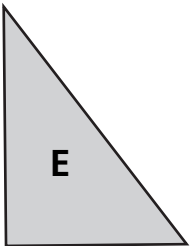
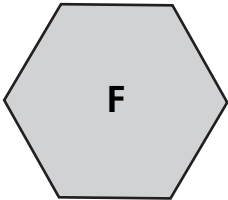
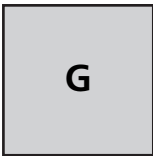
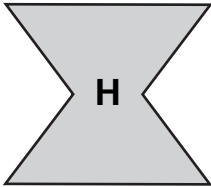
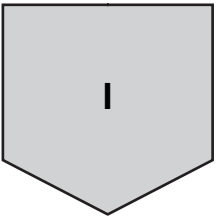
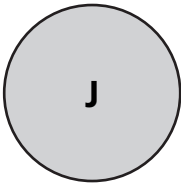
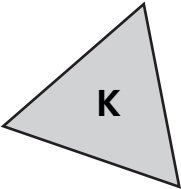
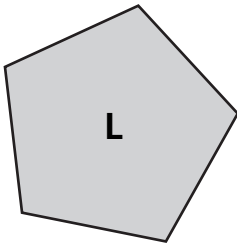
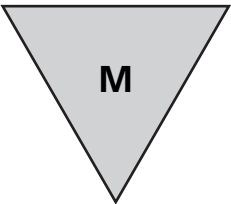


Quadrilaterals



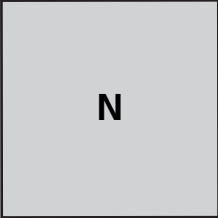
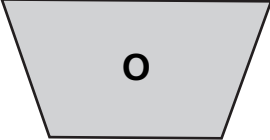
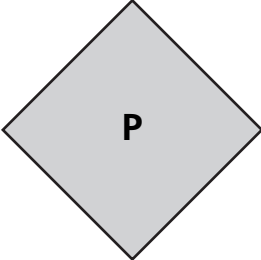
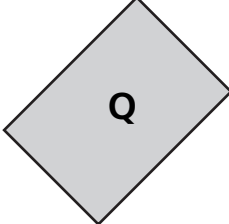
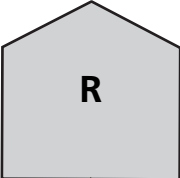
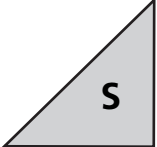
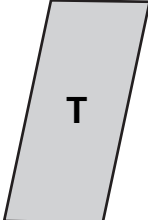
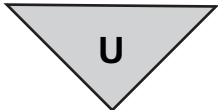
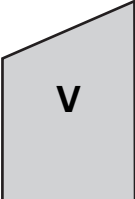
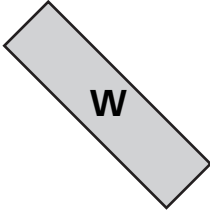
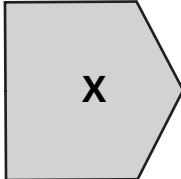
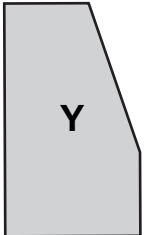
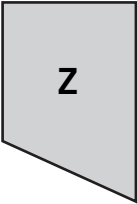
Sorting Figures



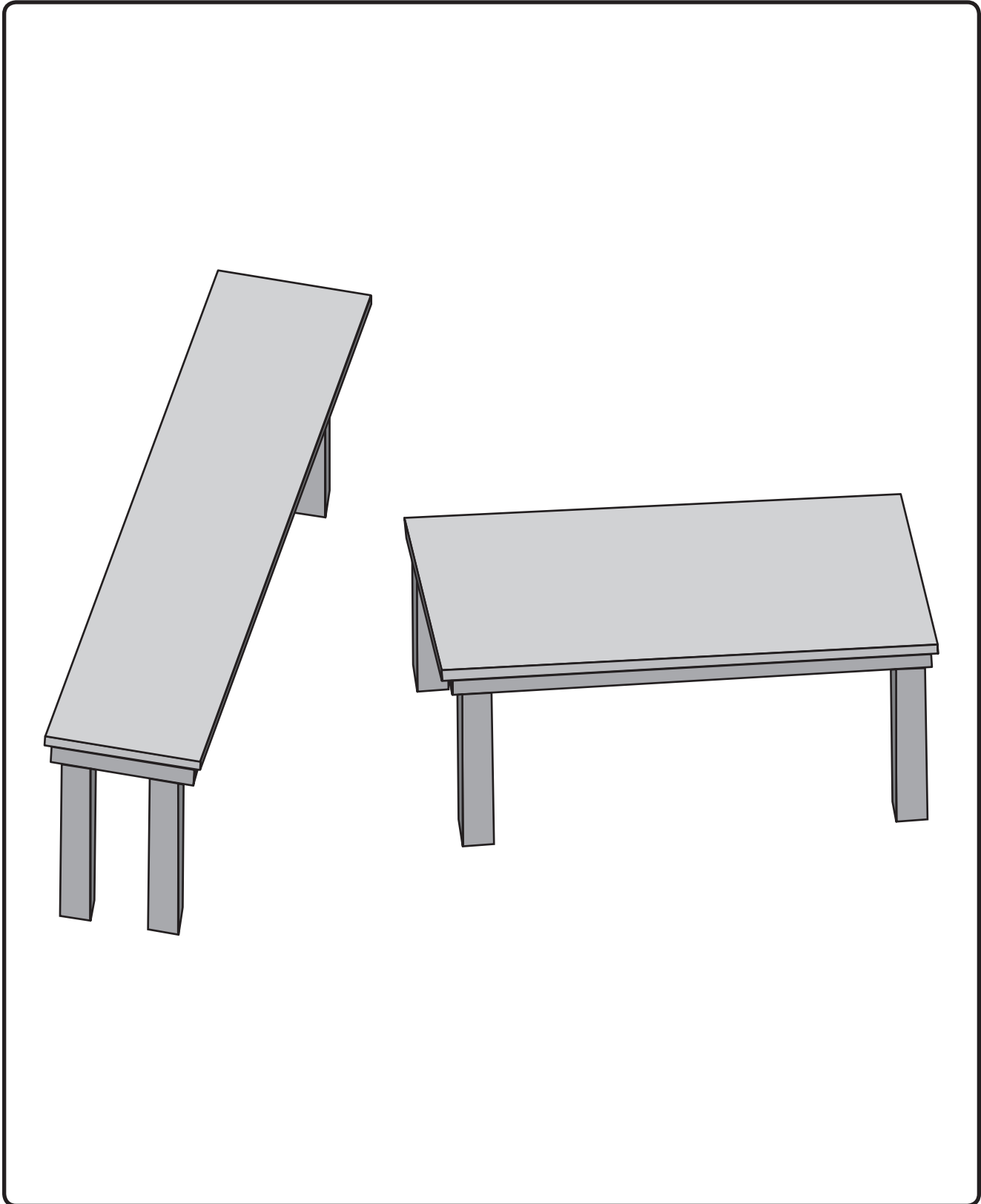
 <p>A</p>	 <p>B</p>	 <p>C</p>	 <p>D</p>
 <p>E</p>	 <p>F</p>	 <p>G</p>	 <p>H</p>
 <p>I</p>	 <p>J</p>	 <p>K</p>	 <p>L</p>
 <p>M</p>			

Sorting Figures



Tabletop Illusion

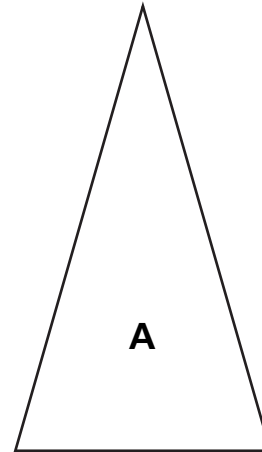


Figures

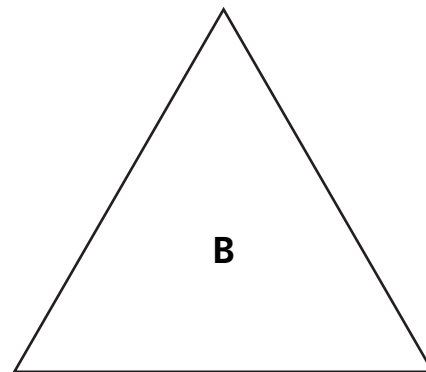
A large rectangular frame containing six dashed geometric shapes for cutting. The shapes are arranged in three rows. The top row contains a square on the left and a rectangle on the right with a scissors icon at its top-right corner. The middle row contains a parallelogram on the left and a trapezoid on the right. The bottom row contains a pentagon on the left and a hexagon on the right.

Triangles

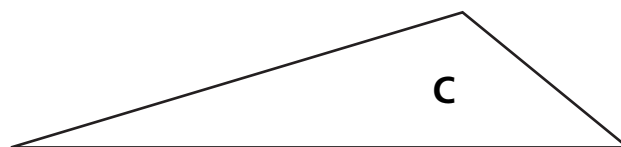
_____ line(s) of symmetry



_____ line(s) of symmetry

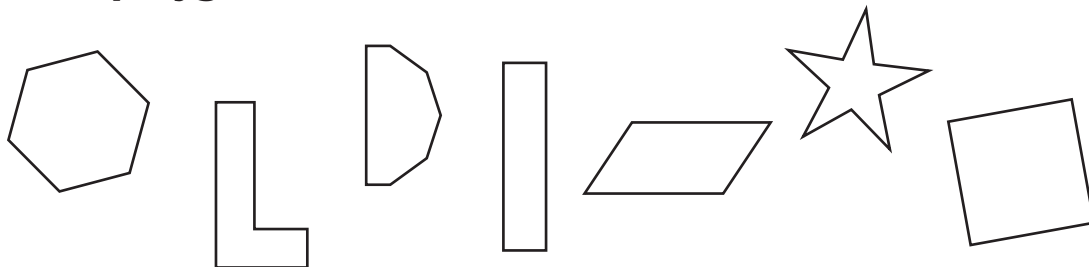


_____ line(s) of symmetry

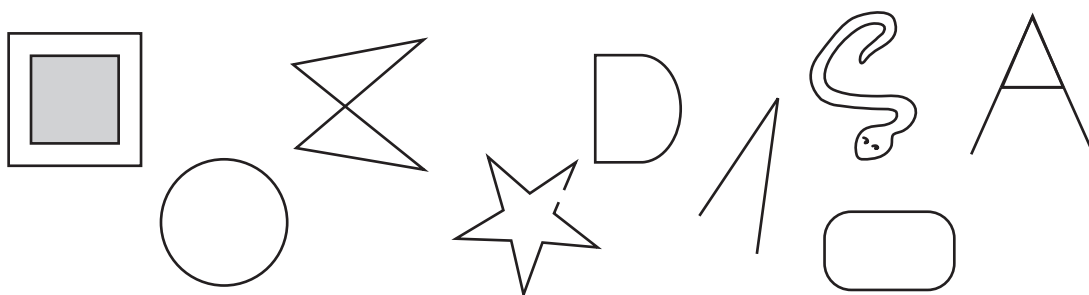


Polygons and Patterns

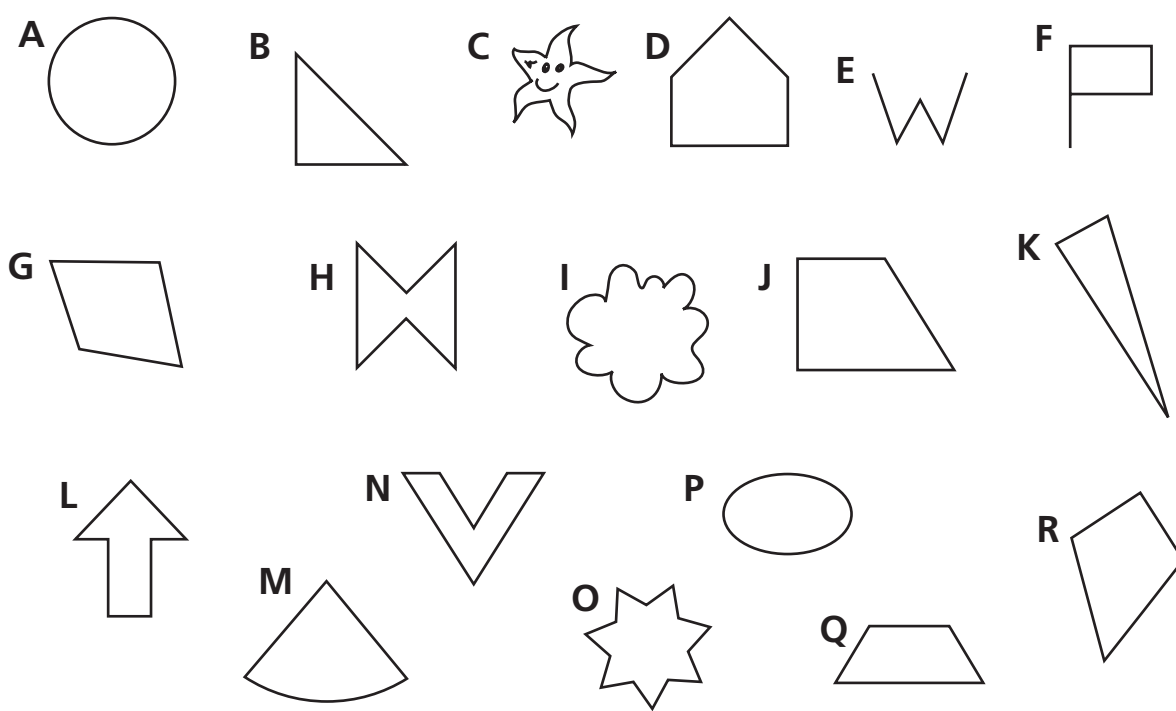
These are polygons:



These are NOT polygons:



Which of these are polygons?

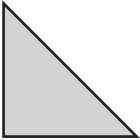
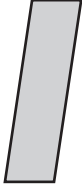
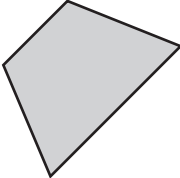
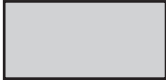
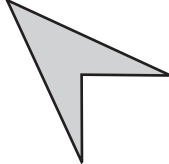
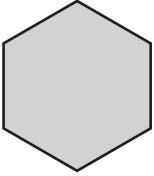
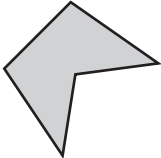
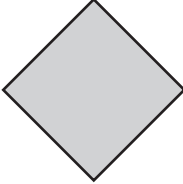
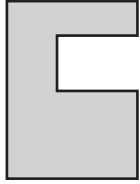
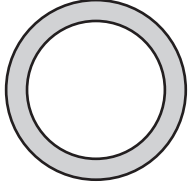
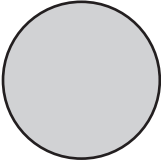
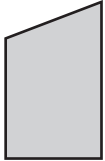
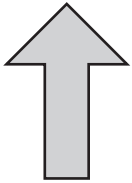
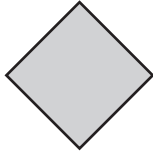


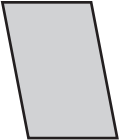
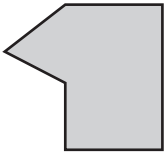
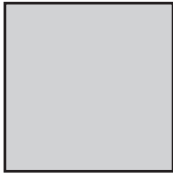
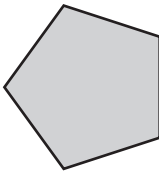
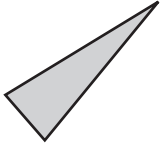
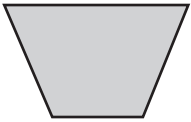
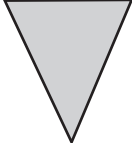
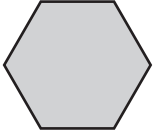
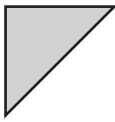


Bingo Attributes

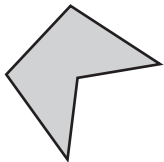
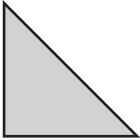



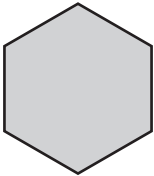
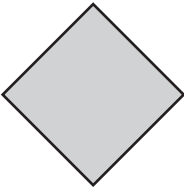
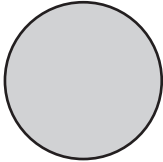
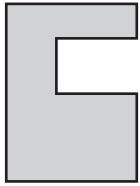
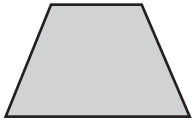
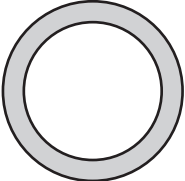

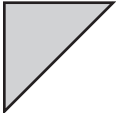
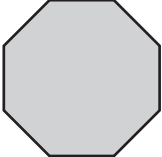
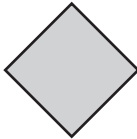
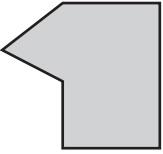
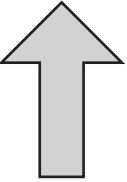
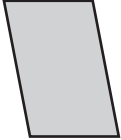
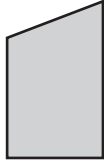
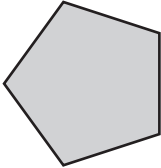
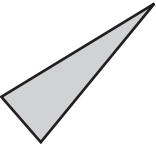
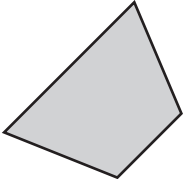
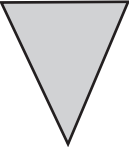
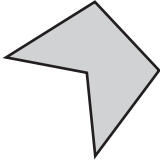
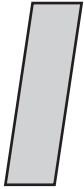


I'm not a polygon.	I have 4 right angles.
I have more sides than a pentagon.	I have 6 angles.
I have only 1 pair of parallel sides.	I'm a square.
All 5 of my sides are the same length.	I have no parallel sides.
I have 1 line of symmetry.	I'm a polygon with at least 2 lines of symmetry.
I'm a triangle with a right angle.	I'm a triangle without a right angle.
I have at least 1 angle that is larger than a right angle.	I have 2 pairs of parallel sides and no right angles.
I have 3 angles that are smaller than a right angle.	I have no straight sides.

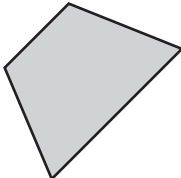
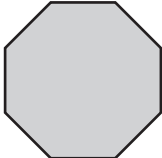
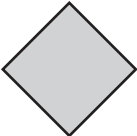
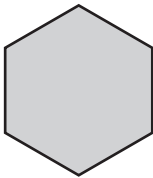
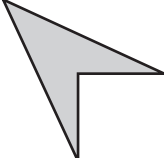
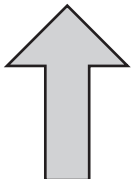


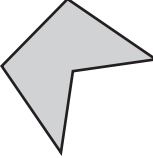
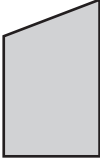
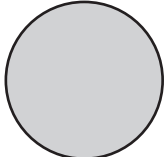
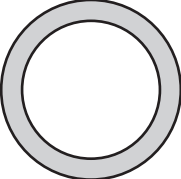
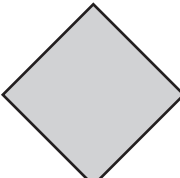

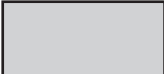


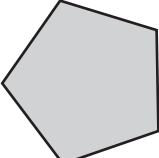

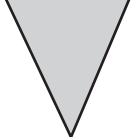
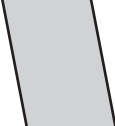
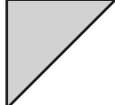
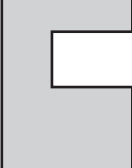

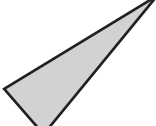
Polygon Bingo

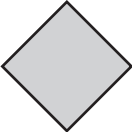
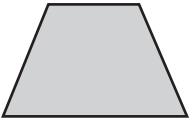
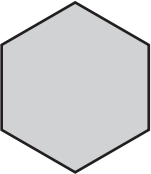
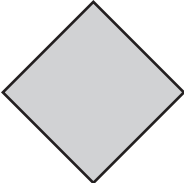
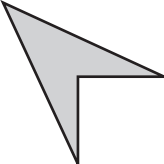
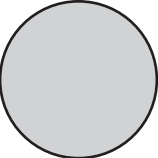
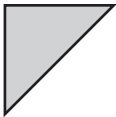
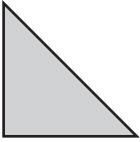



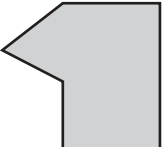
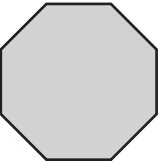
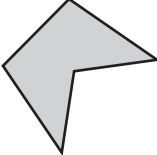
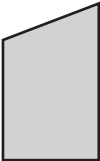

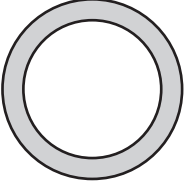
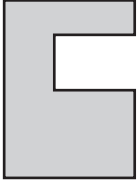
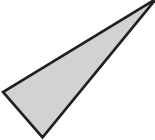

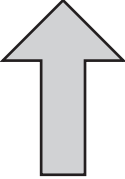
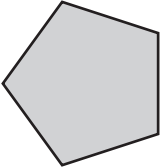
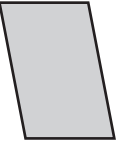
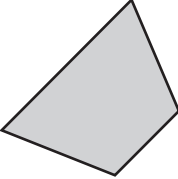
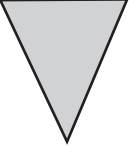
Polygon Bingo

Polygon Bingo

Polygon Bingo

Name _____ Date _____

Blank Bingo Board

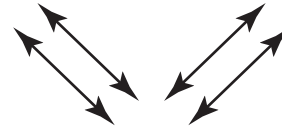
© Education Development Center, Inc.

Bingo Figures

A 5x5 grid of 25 different geometric shapes, each in a dashed box. A pair of scissors icon is located in the top right corner of the grid.

Polygons and Their Attributes

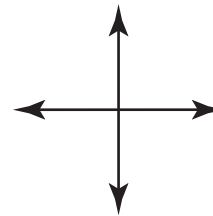
Parallel lines are always the same distance apart and never touch.



A **right angle** forms a square corner.

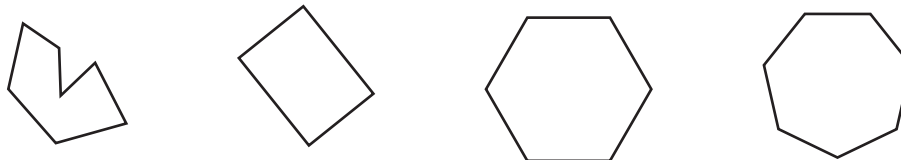


If two lines intersect to form right angles, they are **perpendicular** to each other.

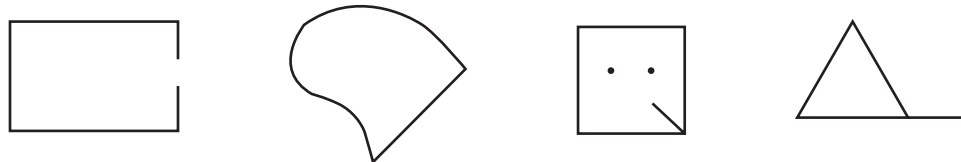


Polygons have all straight sides that connect at the endpoints to form one inside, without any extra lines inside or outside.

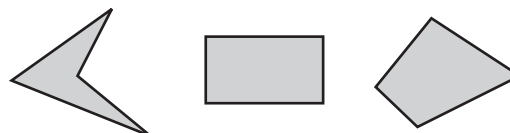
These are **polygons**:



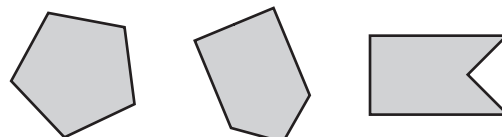
These are **not polygons**:



Quadrilaterals are four-sided polygons.

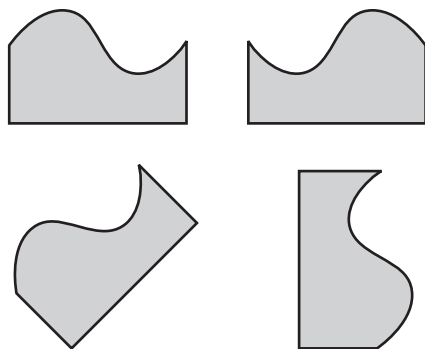


Pentagons are five-sided polygons.



Congruence and Symmetry

Congruent figures are the same size and shape.
All the figures below are congruent.



Same shape and size,
just flipped or turned.

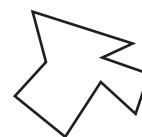
These figures are **NOT** congruent to the figures above.



Same shape,
but too small



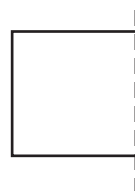
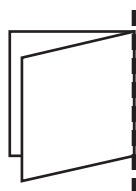
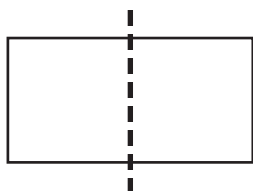
About the same size,
but not the same shape



Not even close!

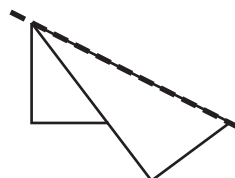
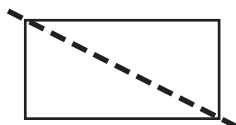
If you can fold a figure so the two parts match exactly,
the crease is a **line of symmetry** for that figure.

This dashed line is a line of symmetry:



An exact match!

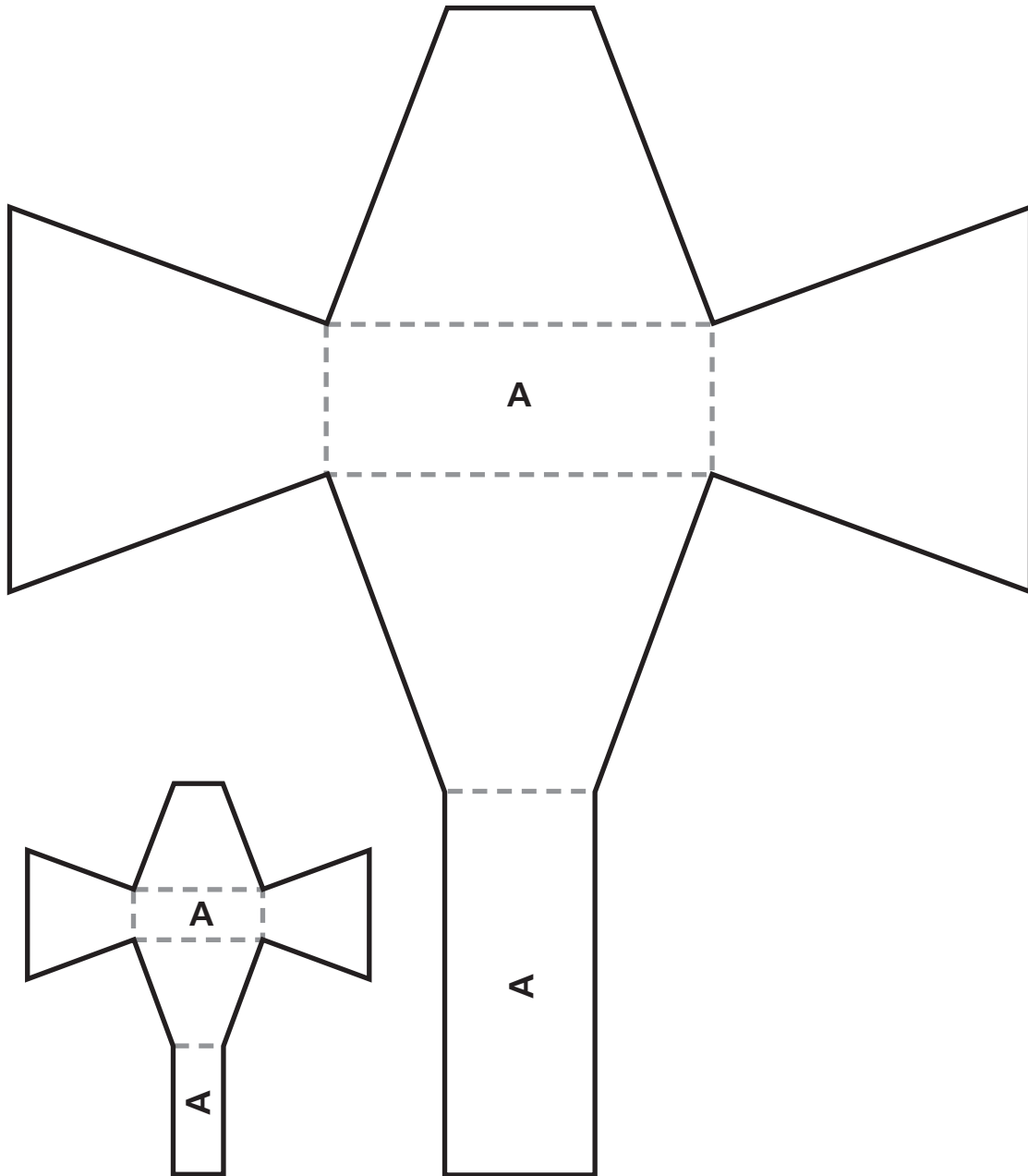
This dashed line is **NOT** a line of symmetry:



No match!

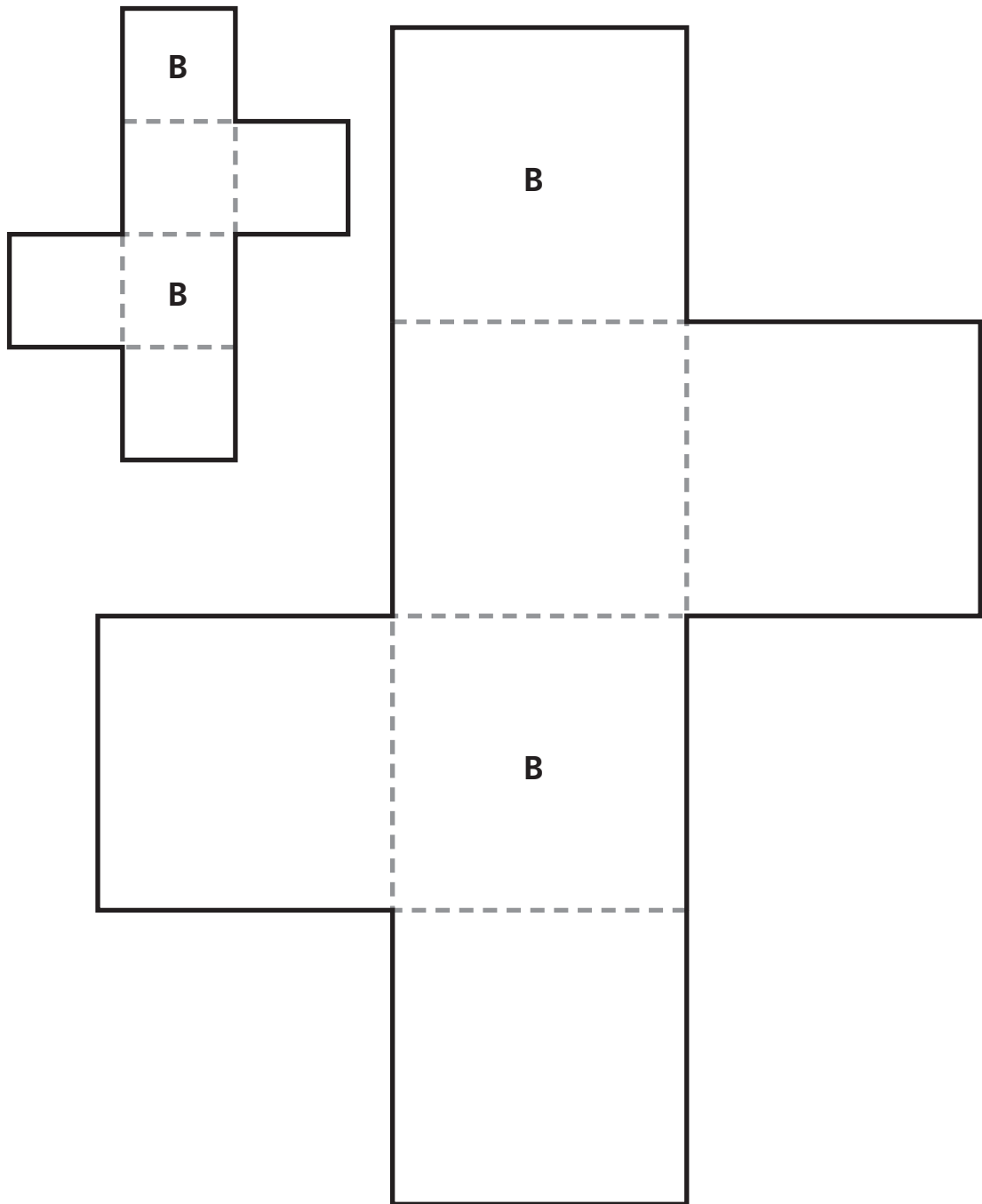
Net A

Cut along the solid lines. Fold along the dashed lines.



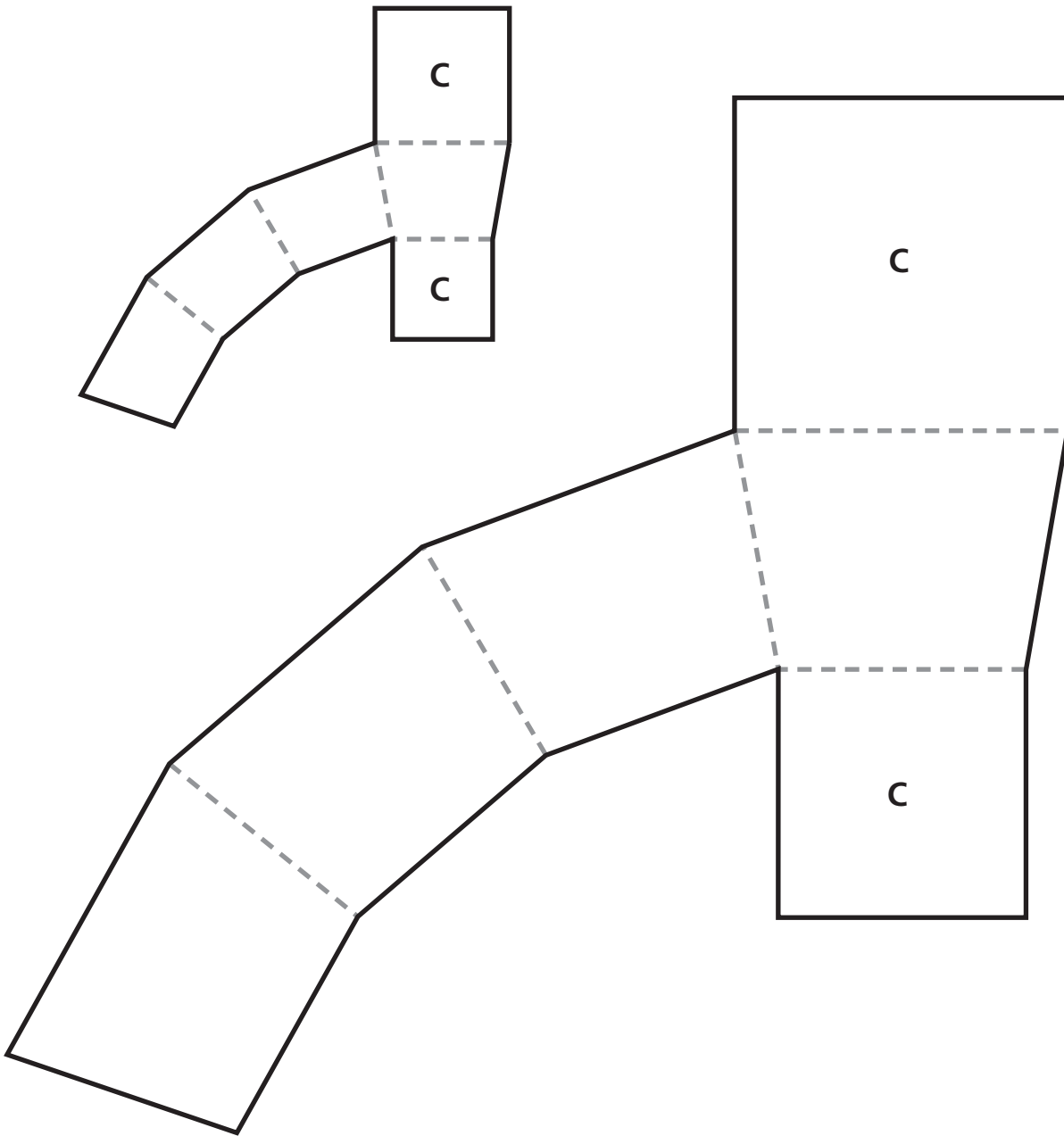
Net B

Cut along the solid lines. Fold along the dashed lines.



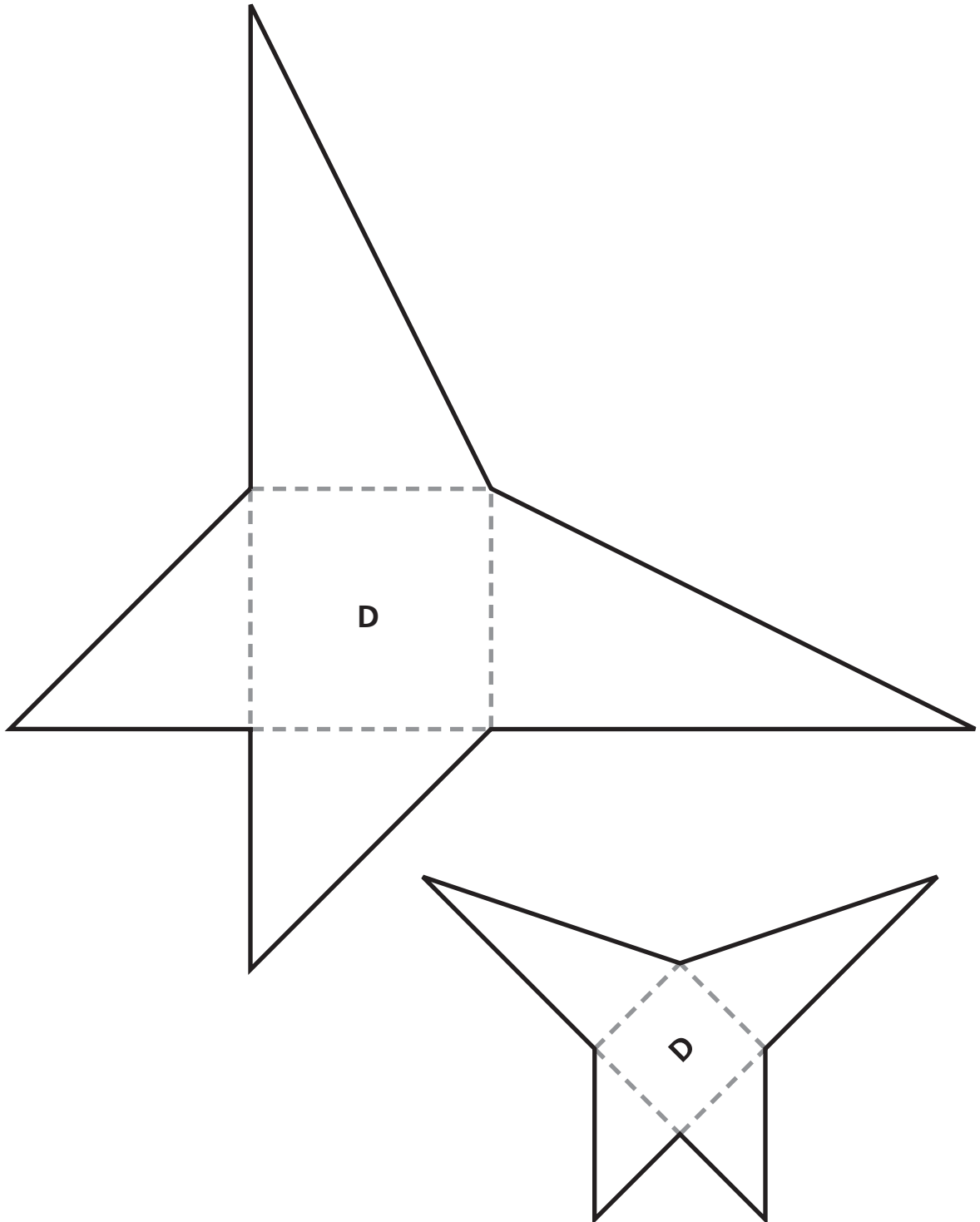
Net C

Cut along the solid lines. Fold along the dashed lines.



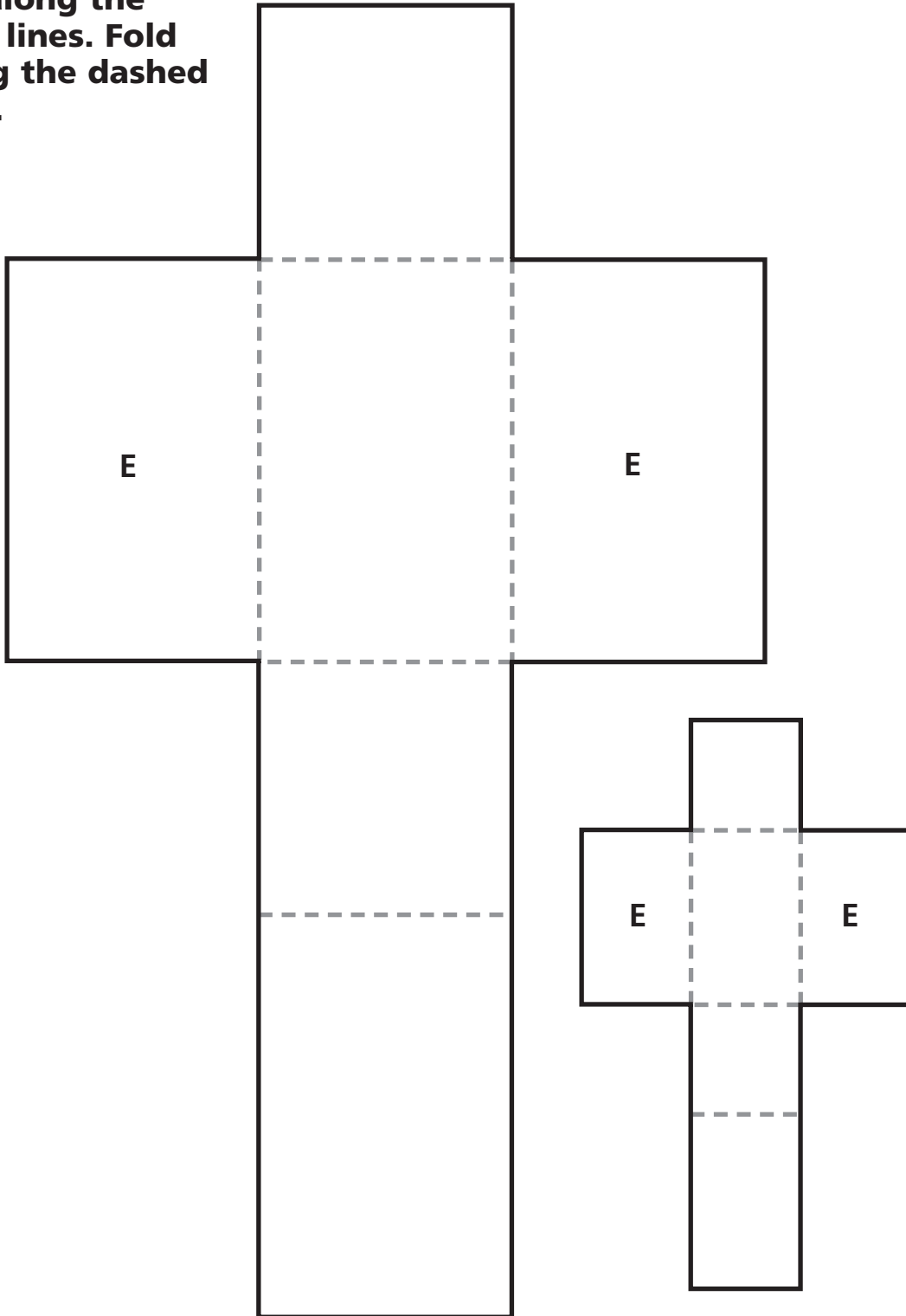
Net D

Cut along the solid lines. Fold along the dashed lines.



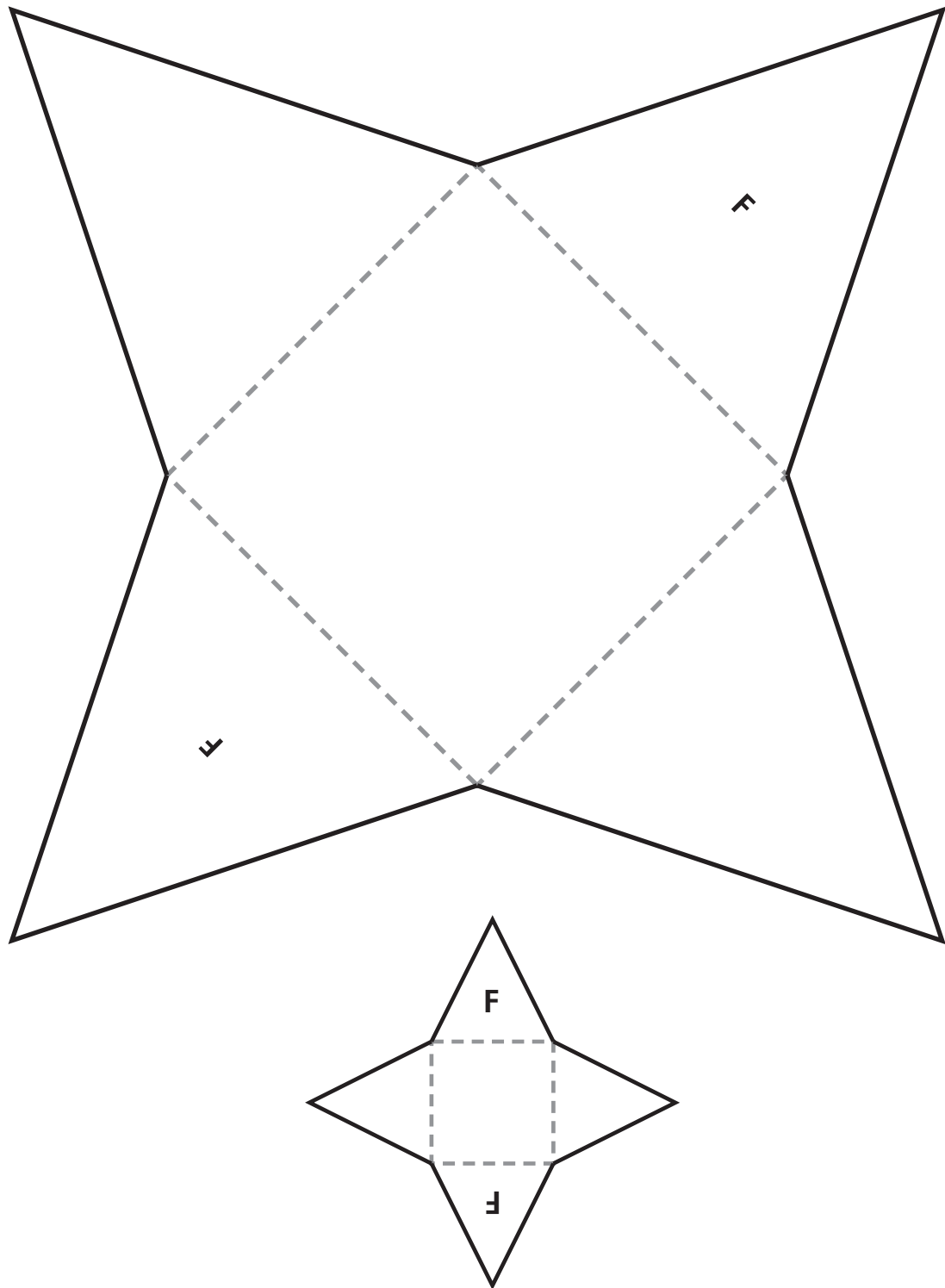
Net E

Cut along the solid lines. Fold along the dashed lines.



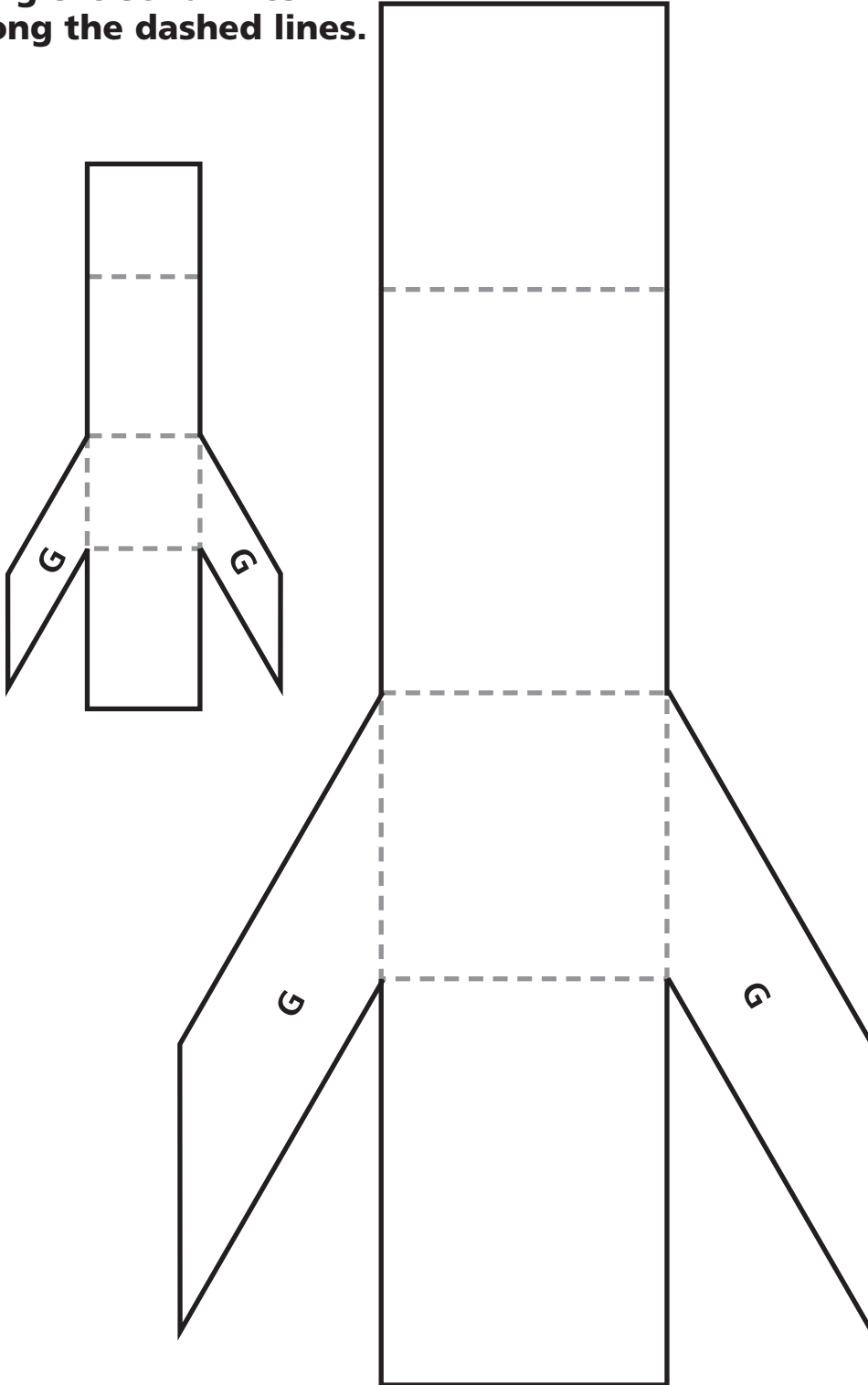
Net F

Cut along the solid lines. Fold along the dashed lines.



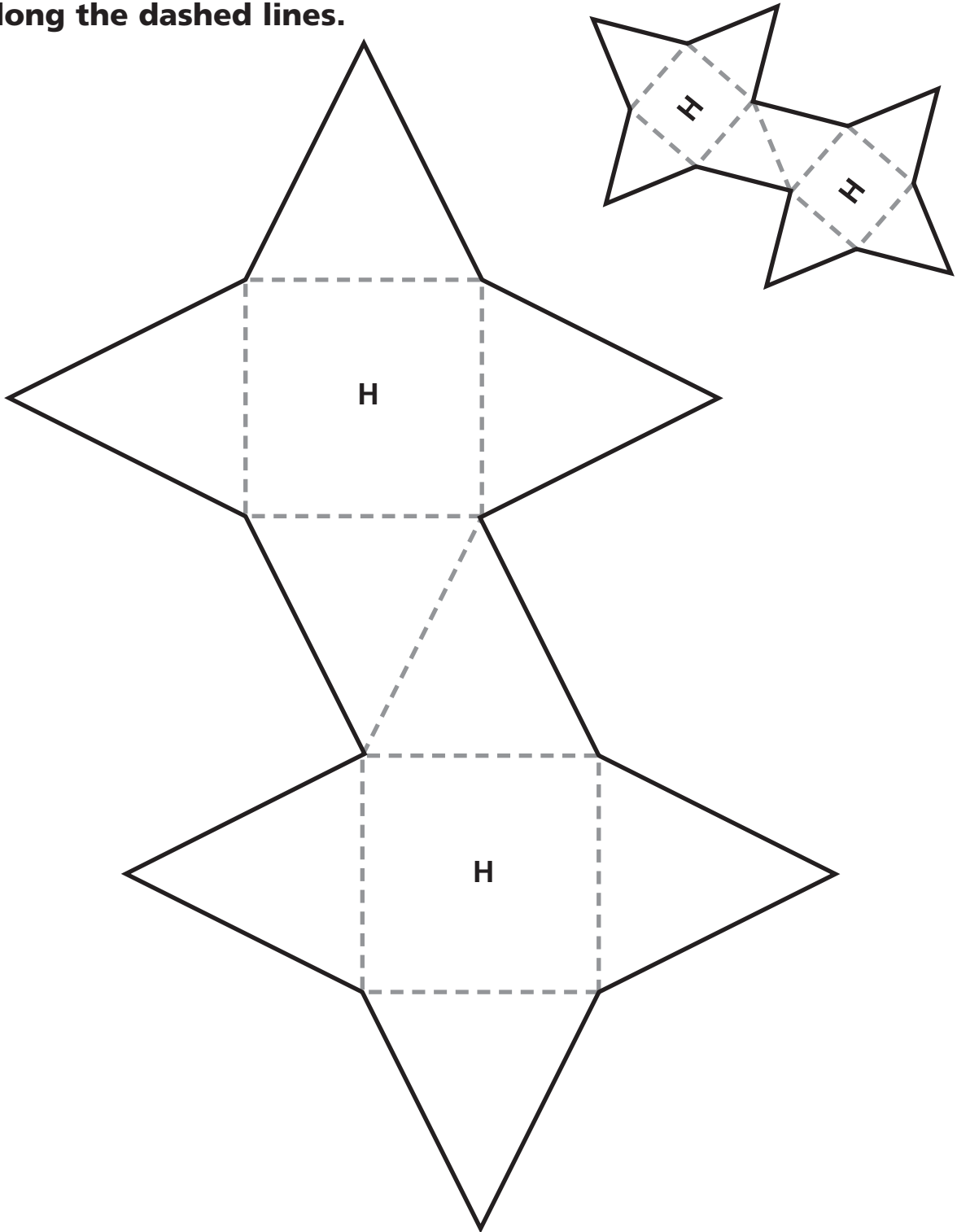
Net G

**Cut along the solid lines.
Fold along the dashed lines.**



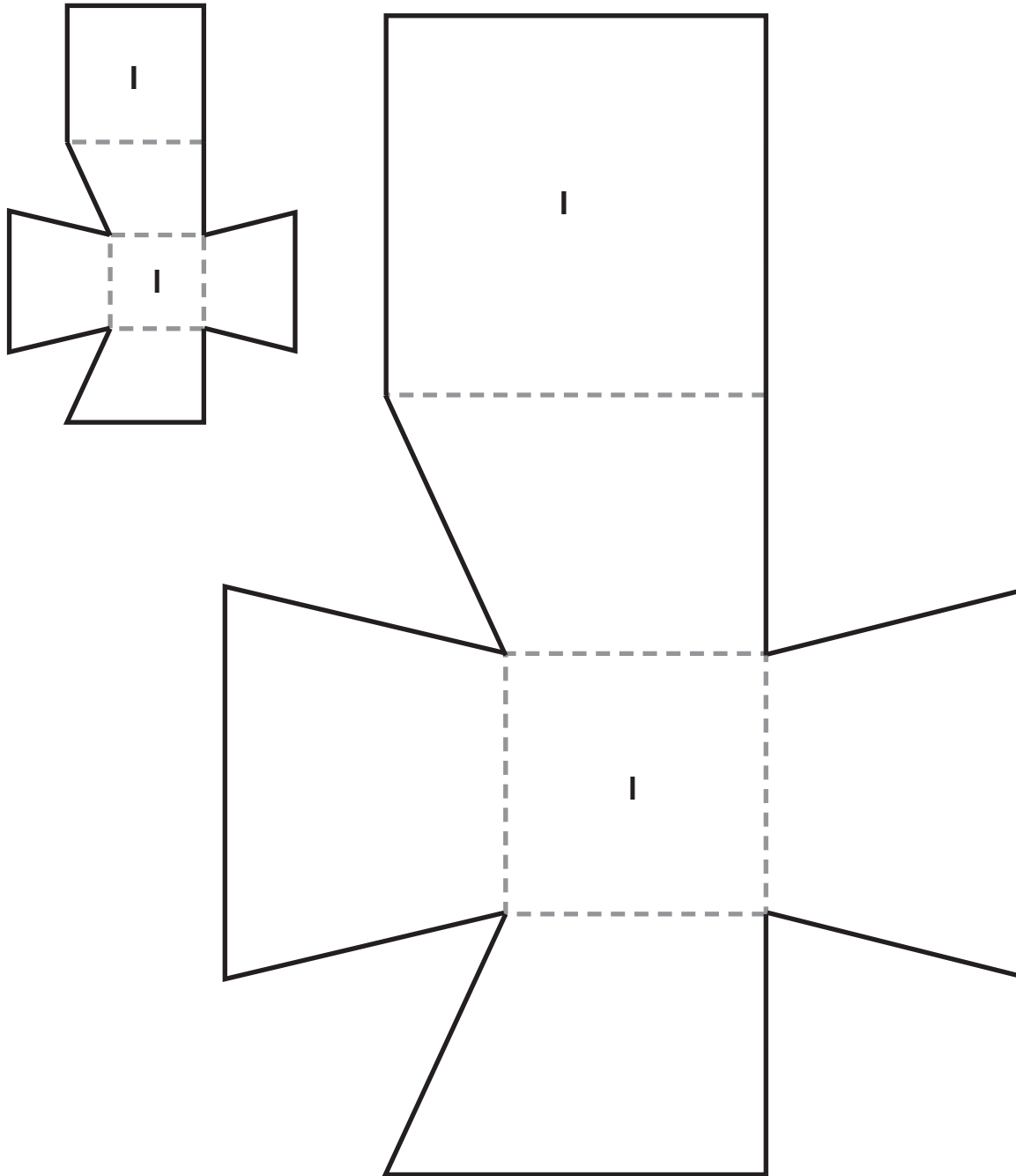
Net H

Cut along the solid lines. Fold along the dashed lines.



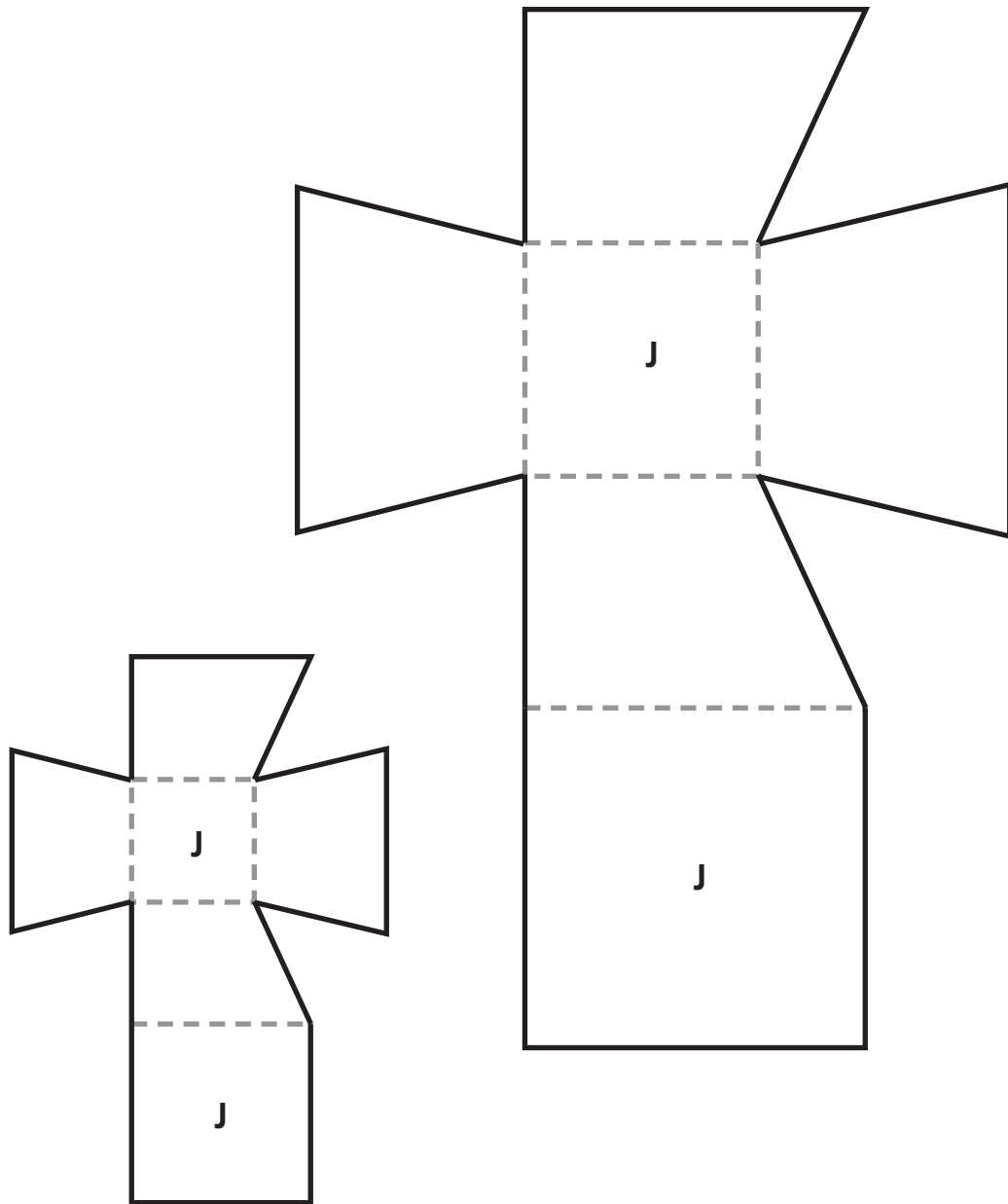
Net I

Cut along the solid lines. Fold along the dashed lines.



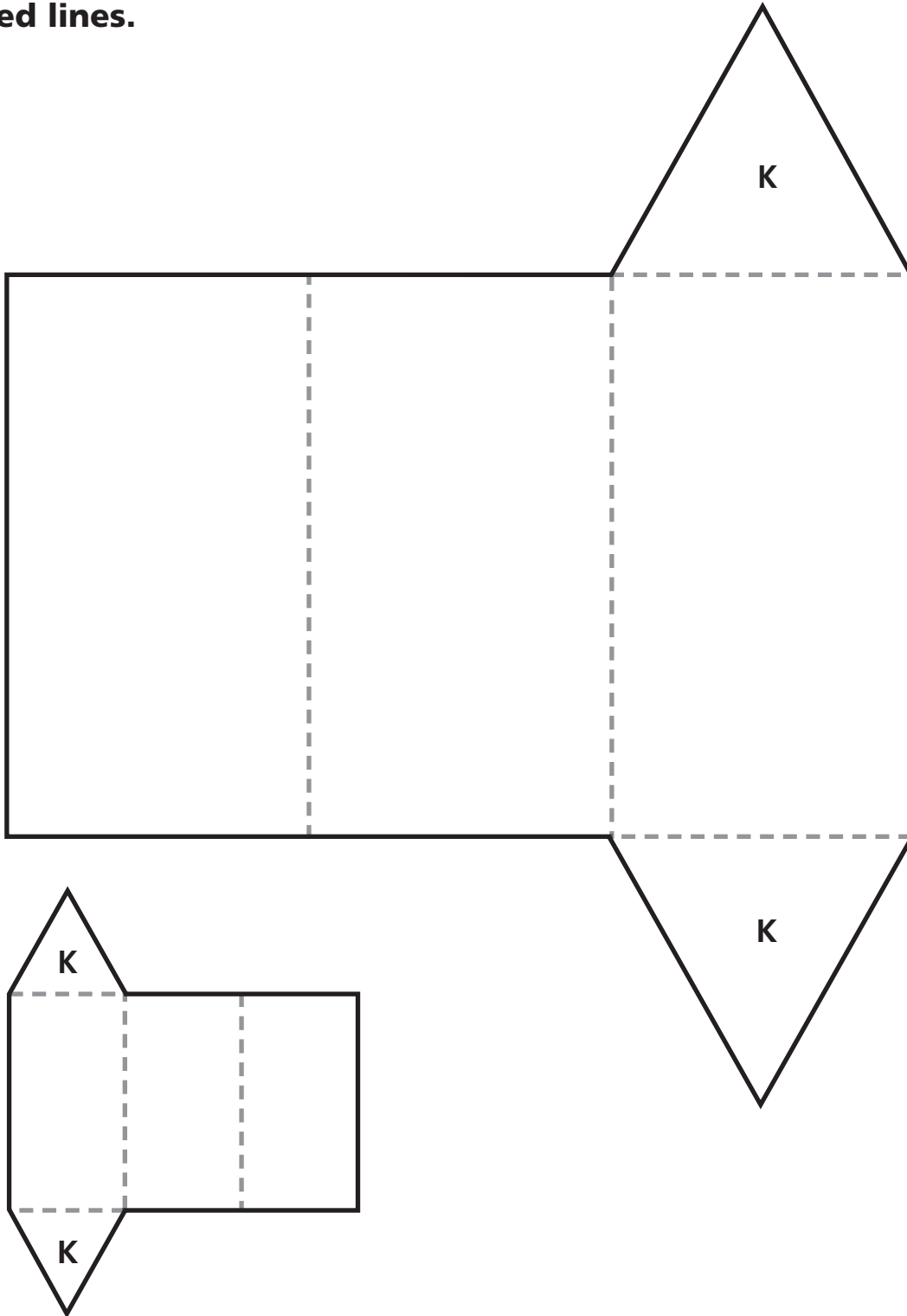
Net J

Cut along the solid lines. Fold along the dashed lines.



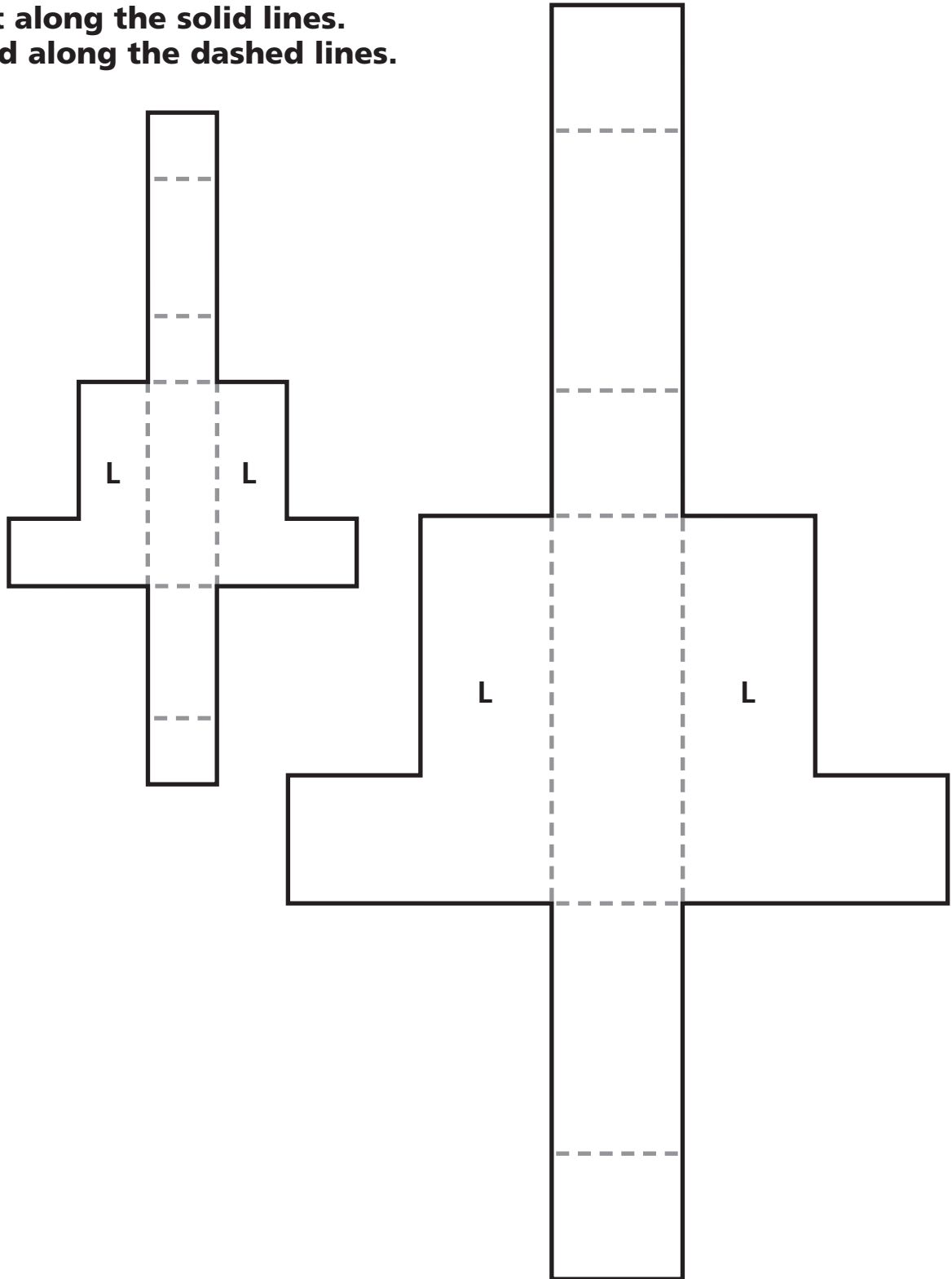
Net K

Cut along the solid lines. Fold along the dashed lines.



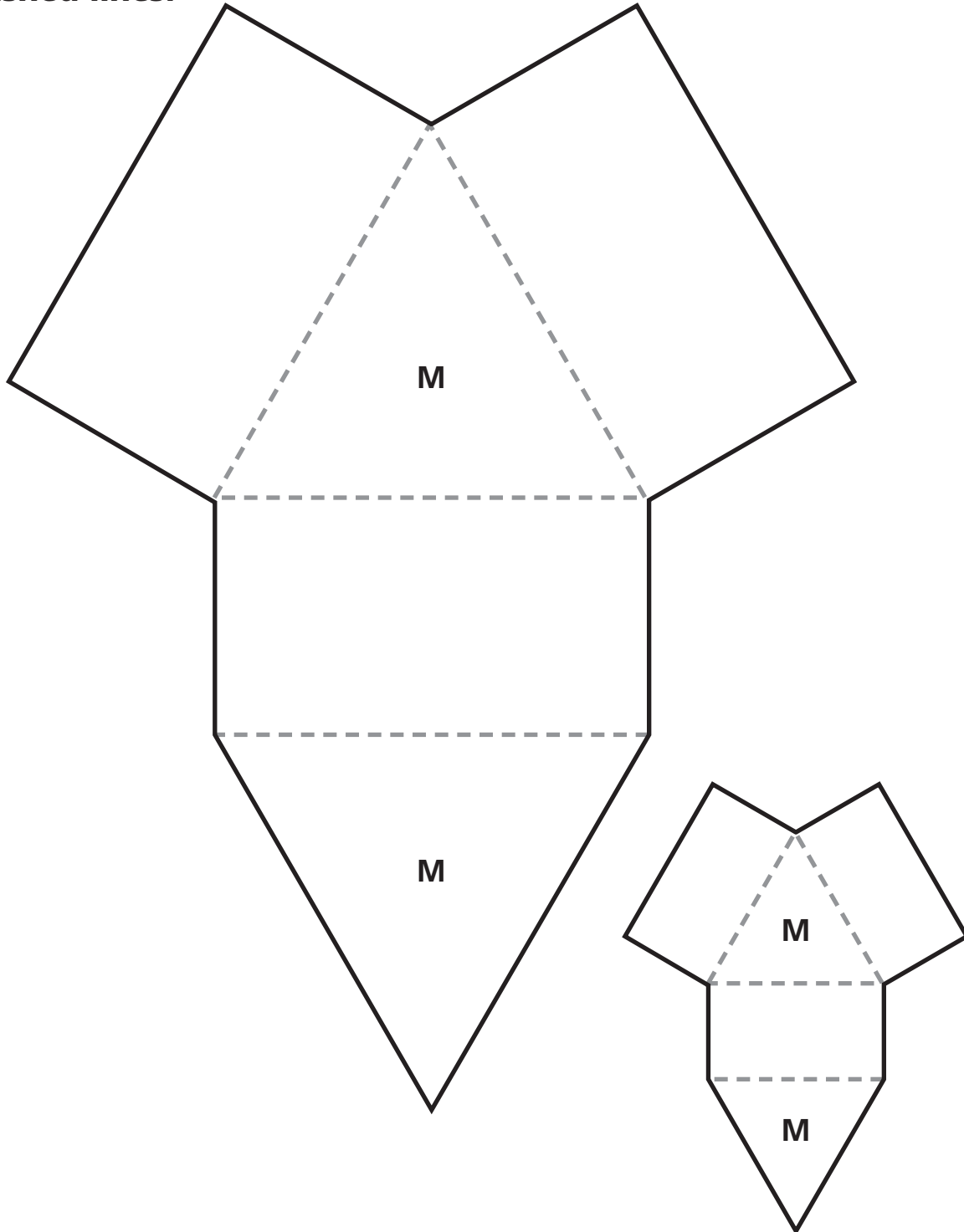
Net L

**Cut along the solid lines.
Fold along the dashed lines.**



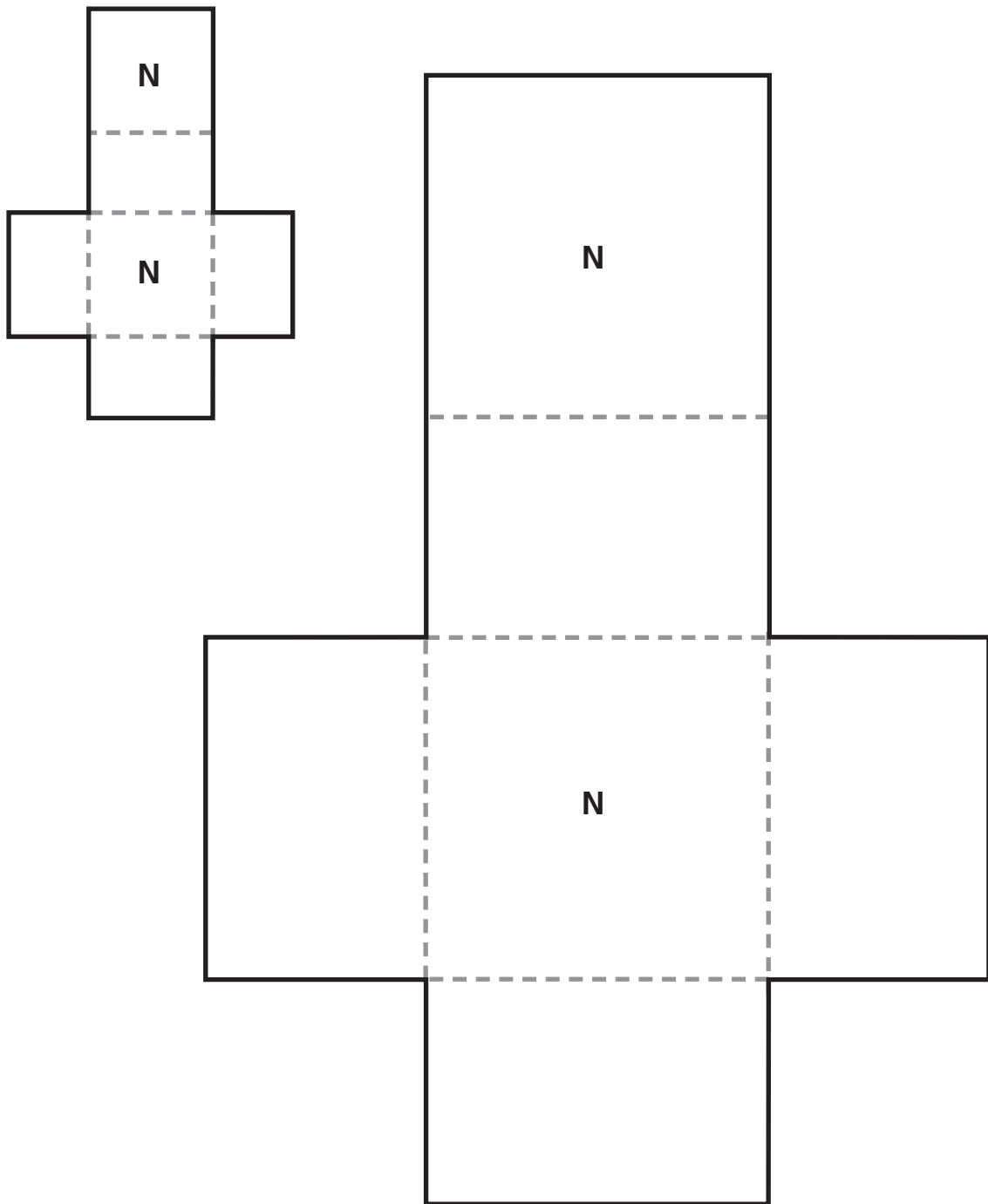
Net M

Cut along the solid lines. Fold along the dashed lines.



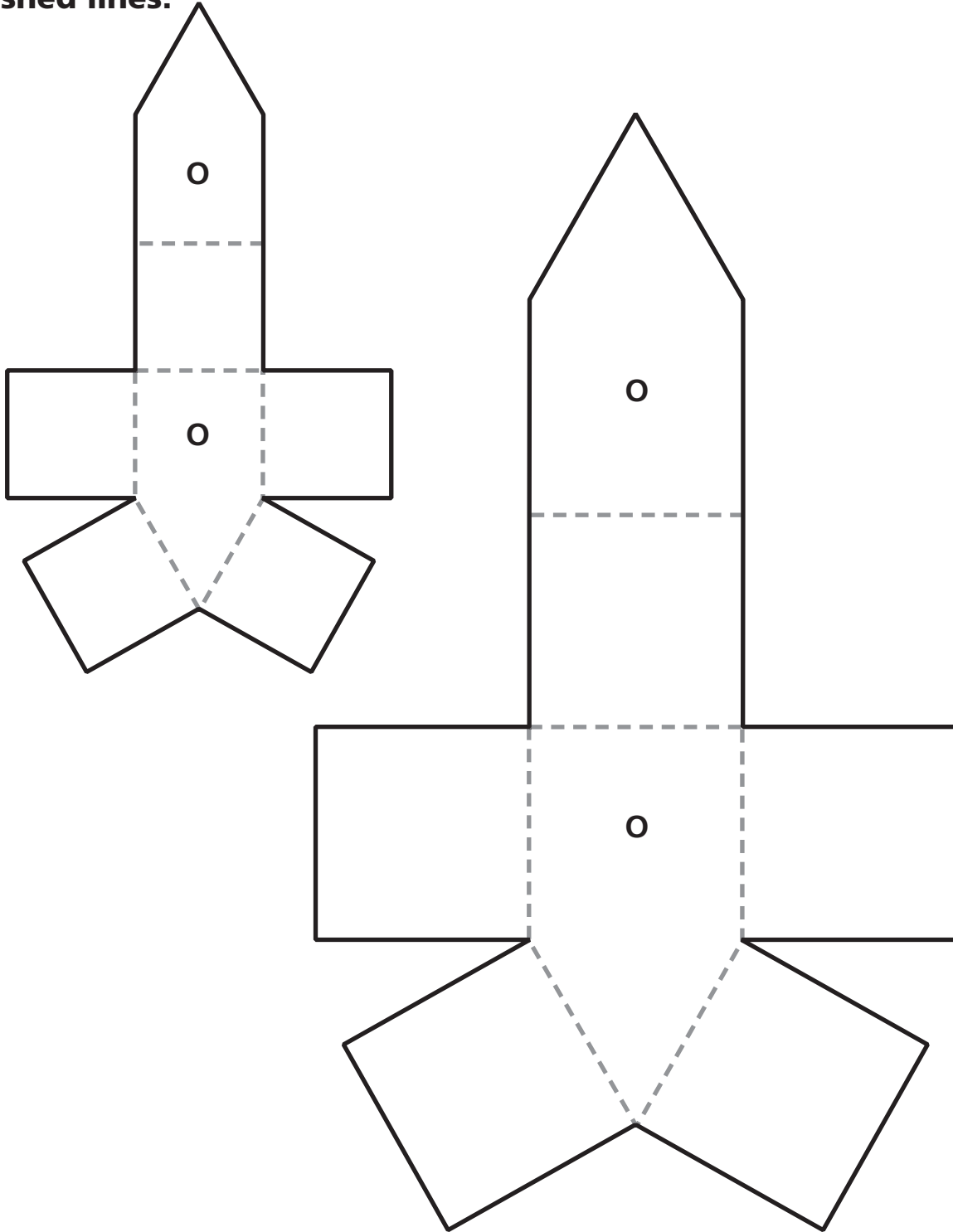
Net N

Cut along the solid lines. Fold along the dashed lines.



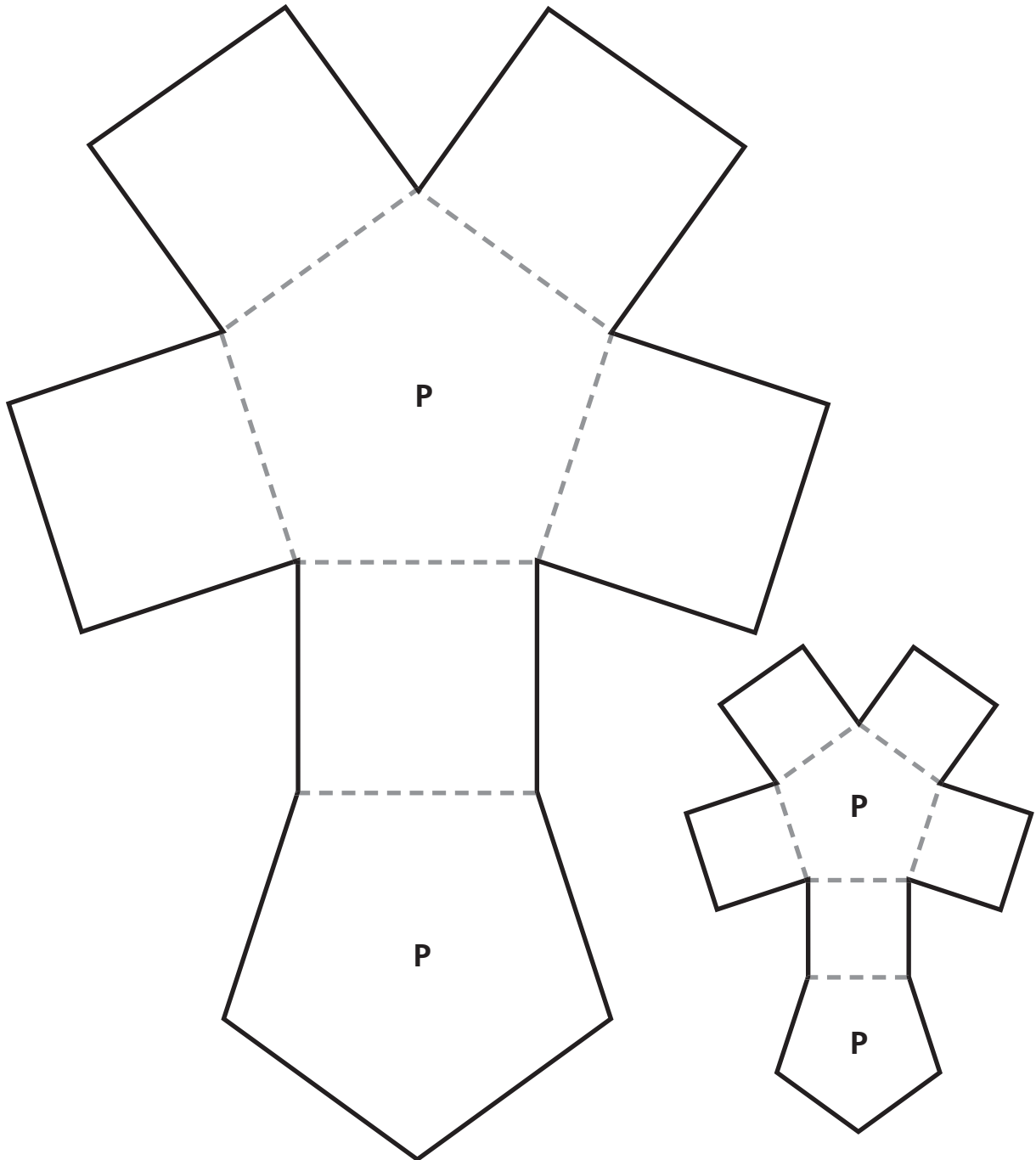
Net O

Cut along the solid lines. Fold along the dashed lines.



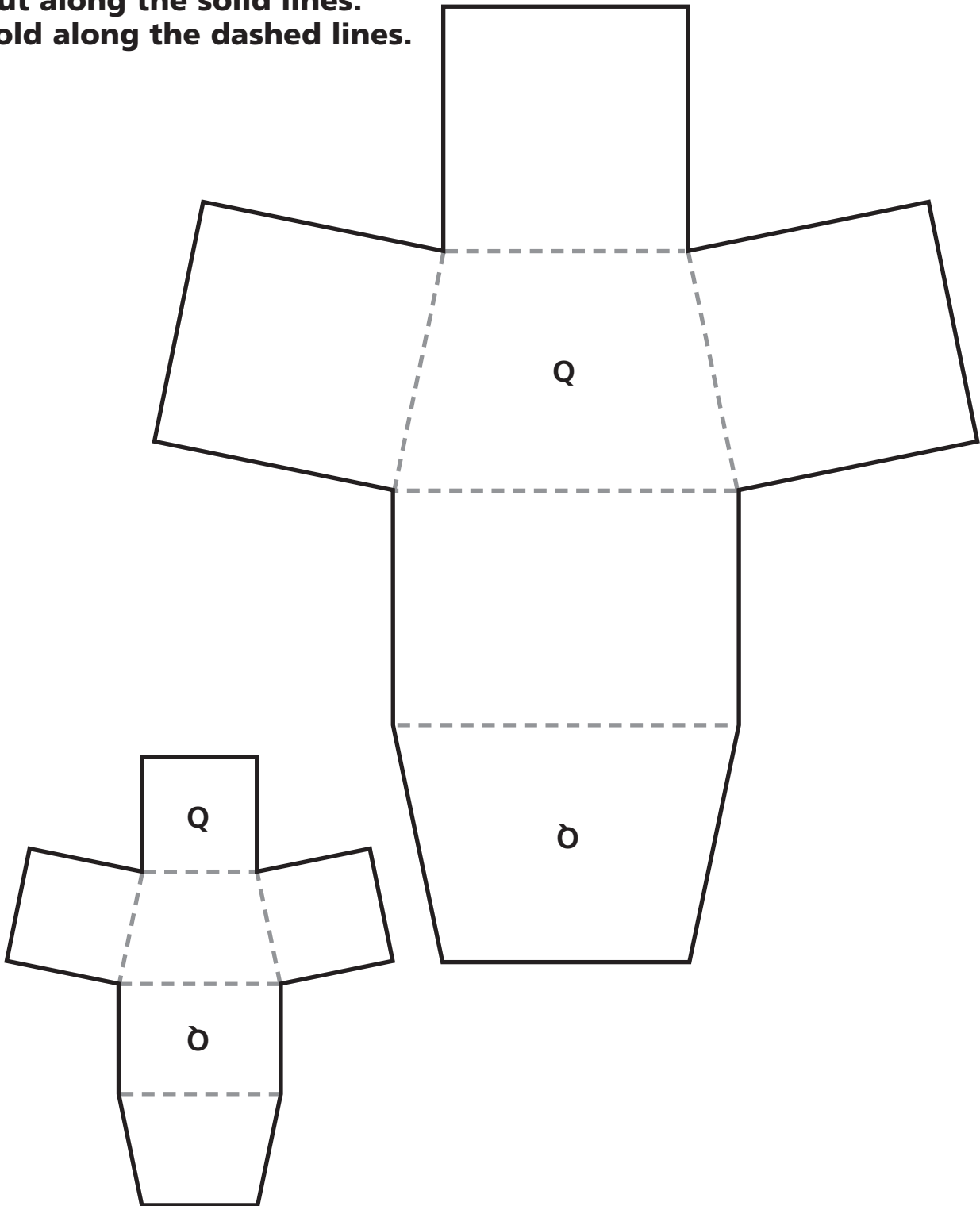
Net P

Cut along the solid lines. Fold along the dashed lines.



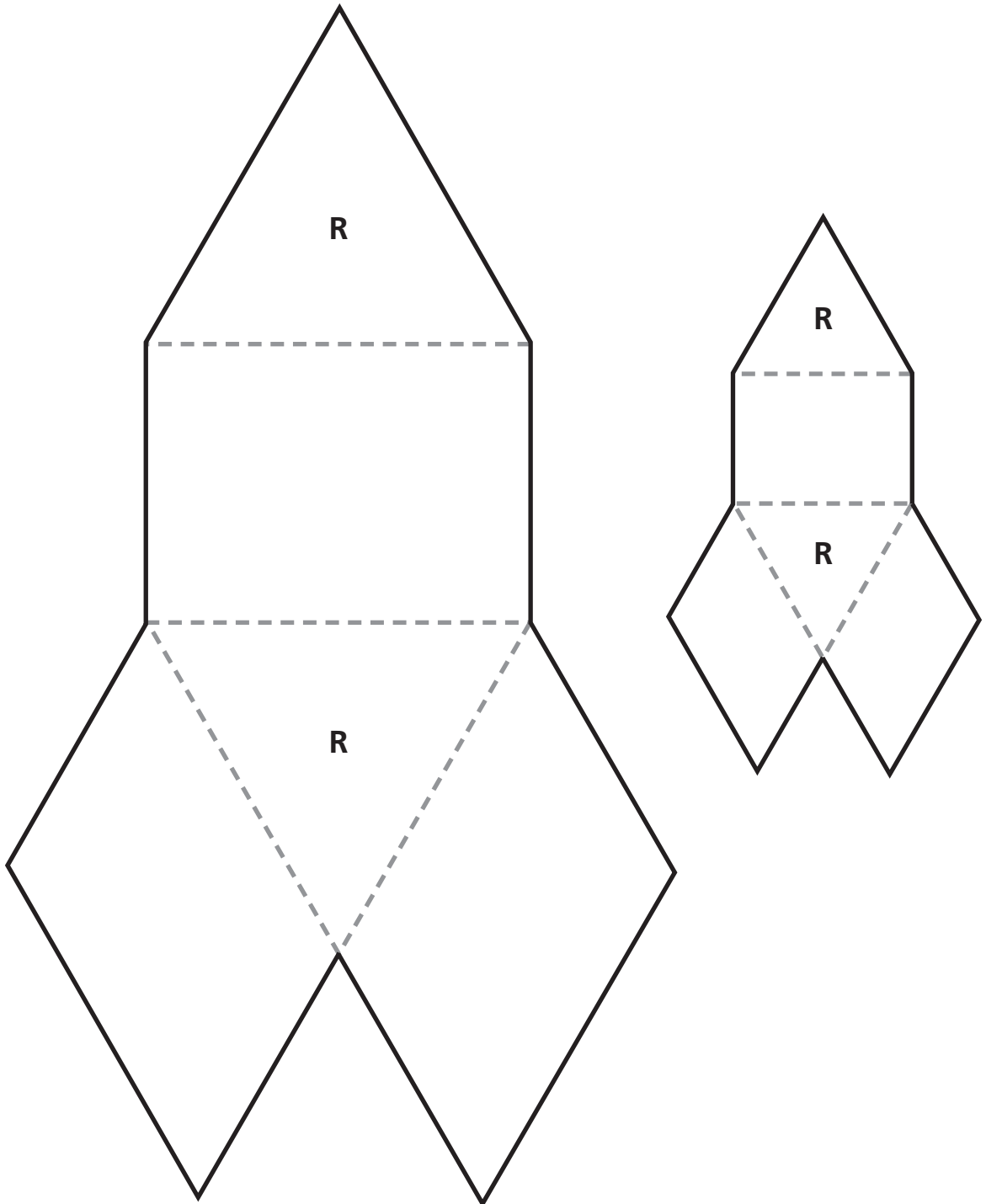
Net Q

**Cut along the solid lines.
Fold along the dashed lines.**



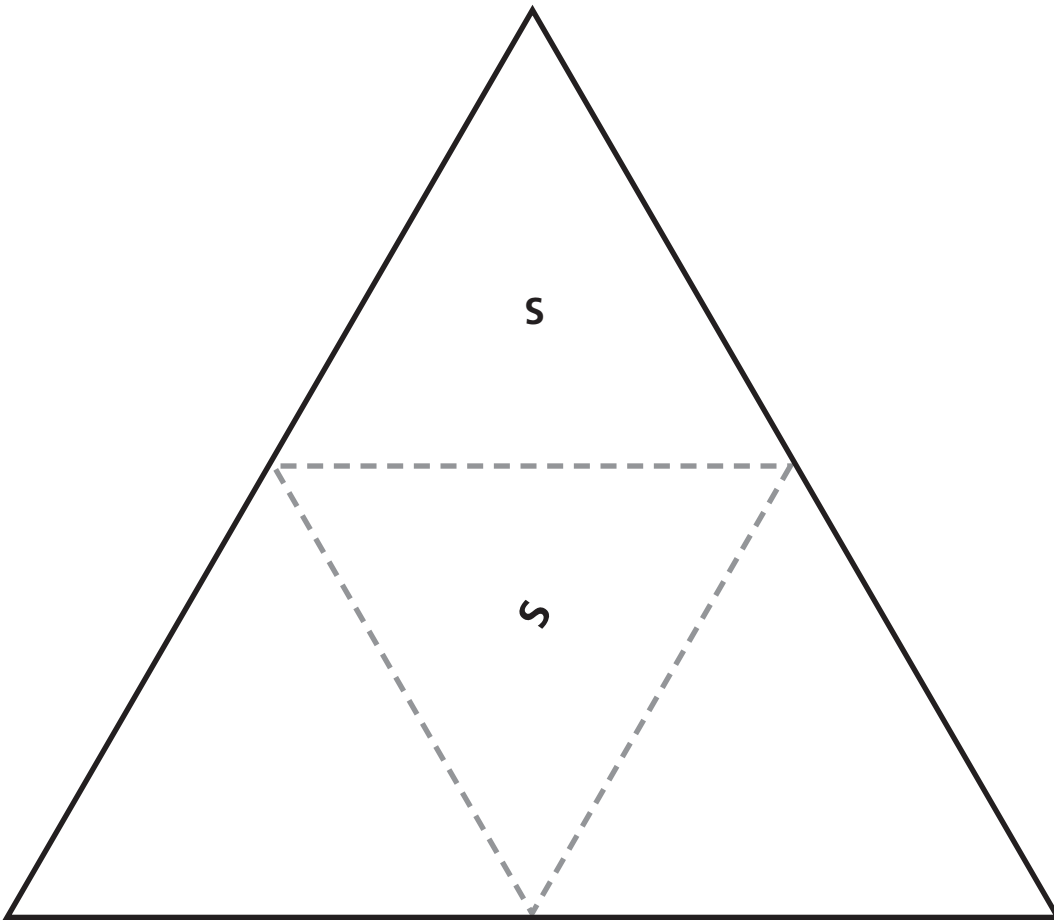
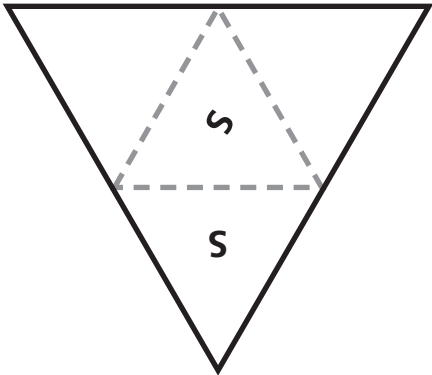
Net R

Cut along the solid lines. Fold along the dashed lines.



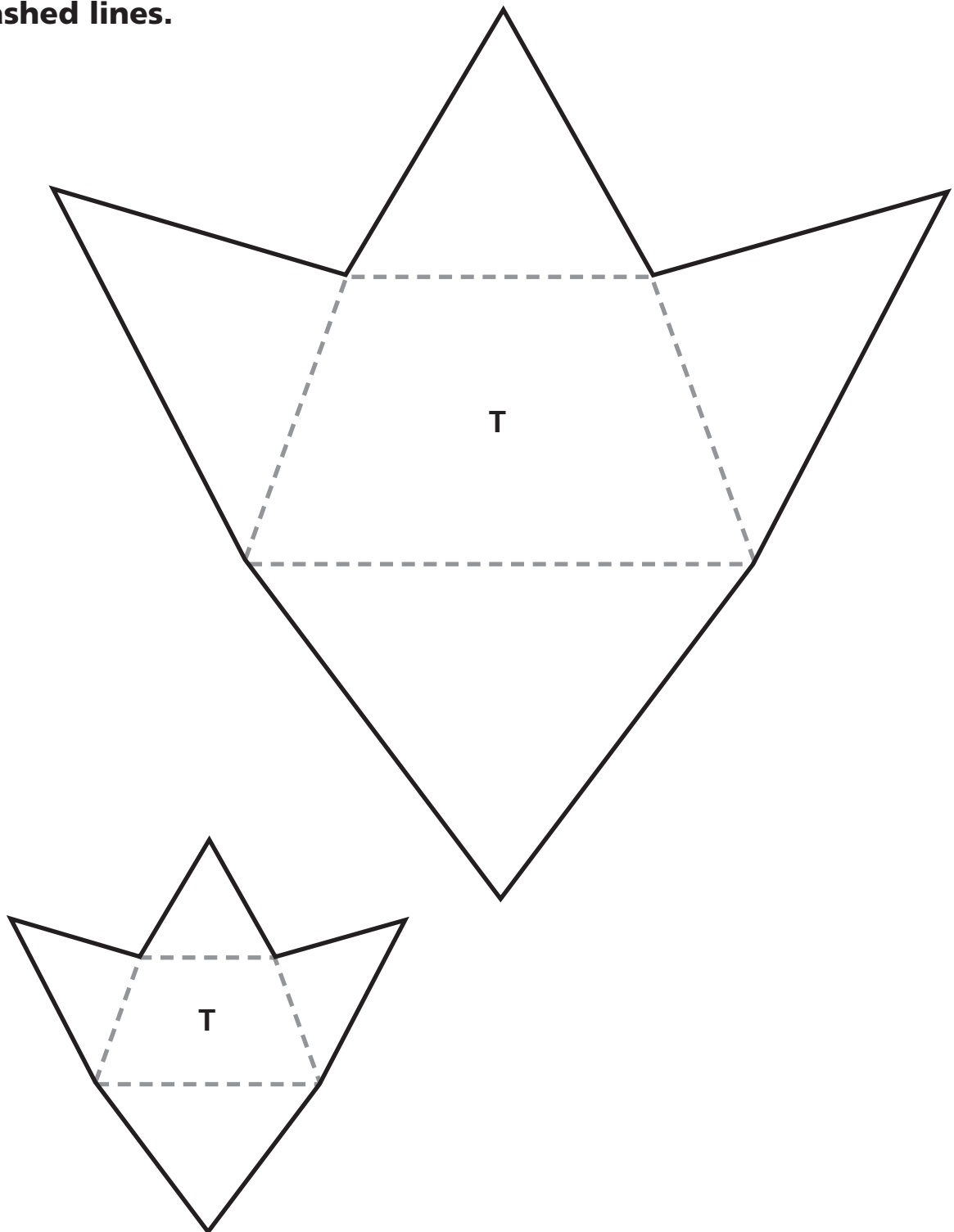
Net S

Cut along the solid lines. Fold along the dashed lines.



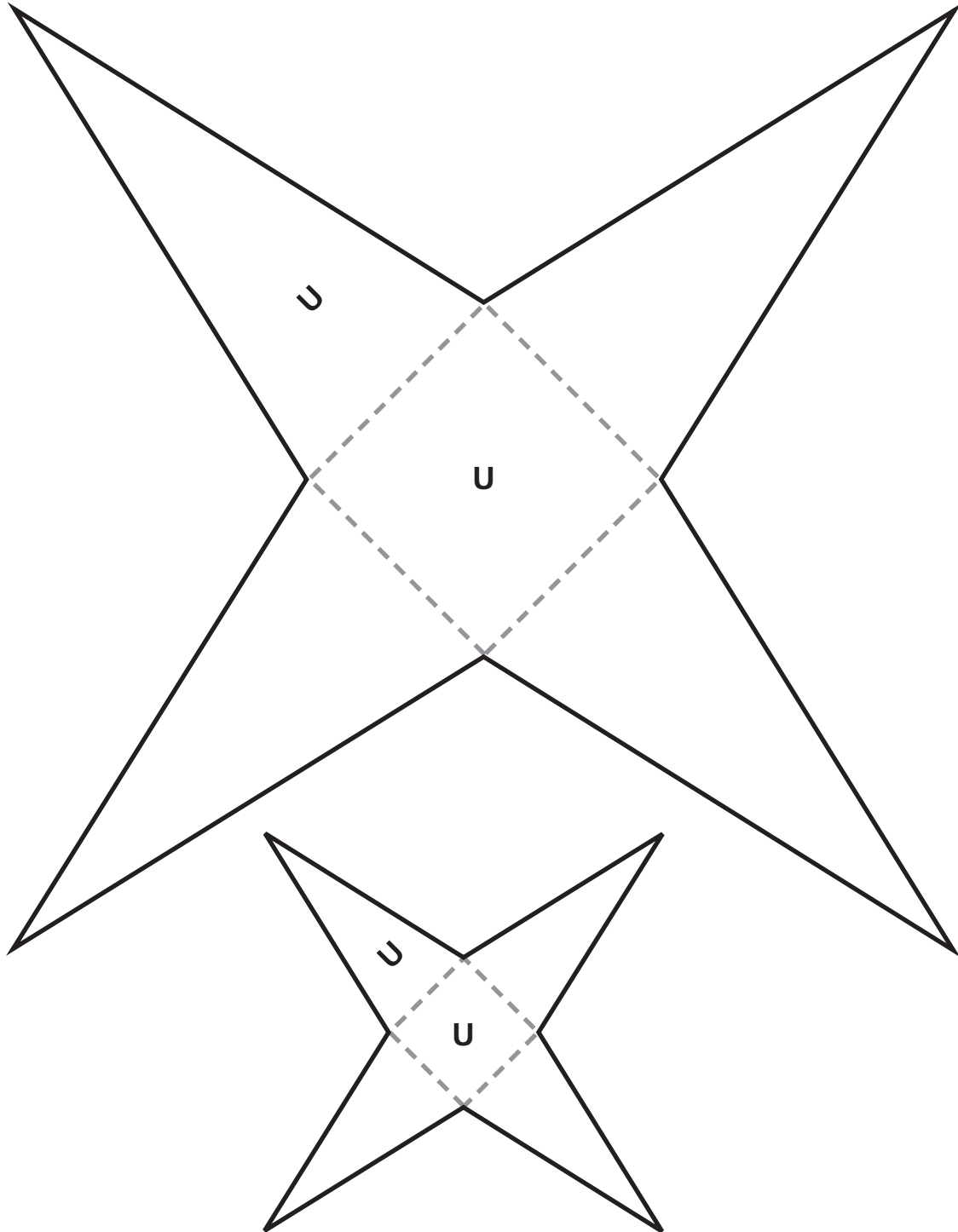
Net T

Cut along the solid lines. Fold along the dashed lines.



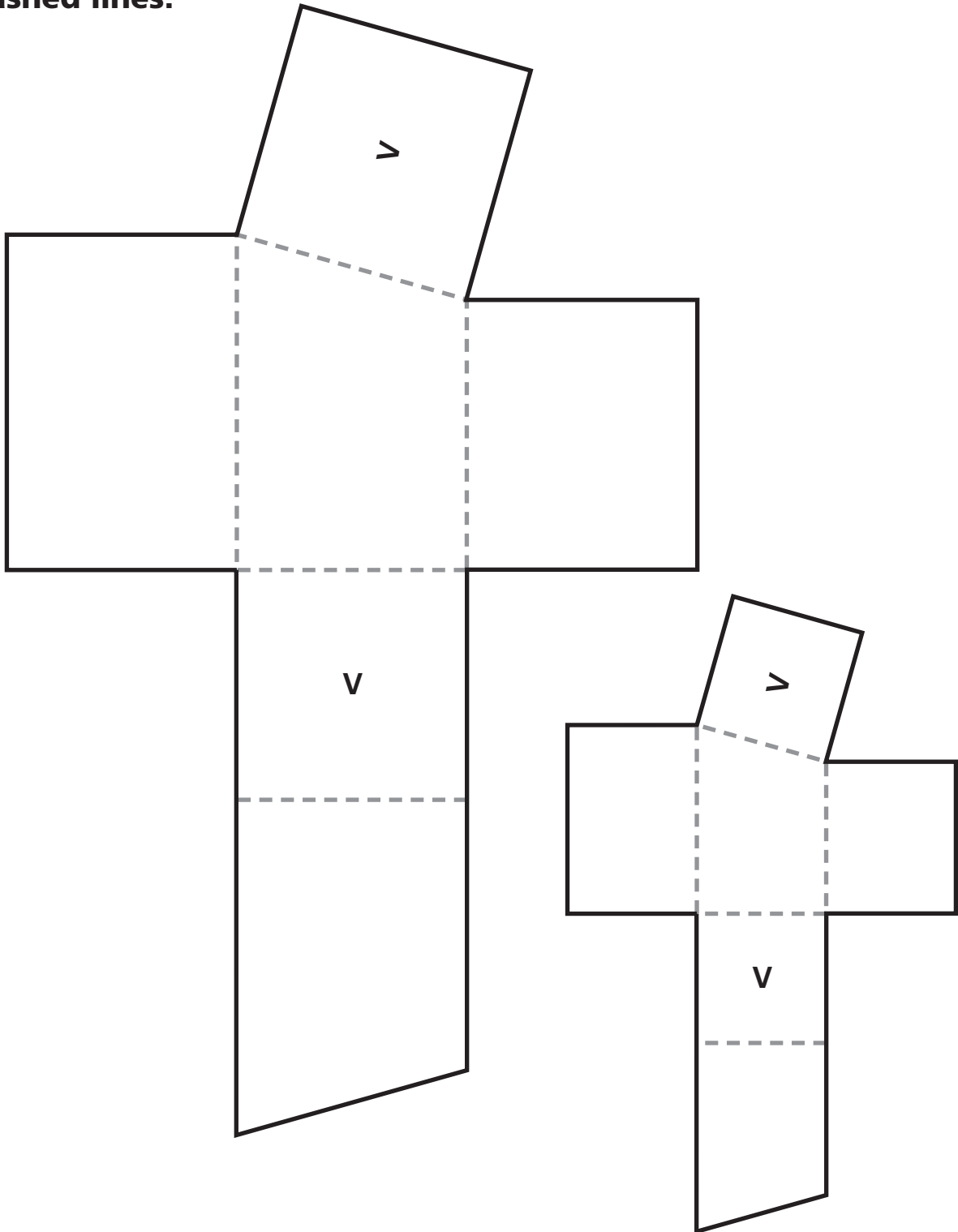
Net U

Cut along the solid lines. Fold along the dashed lines.



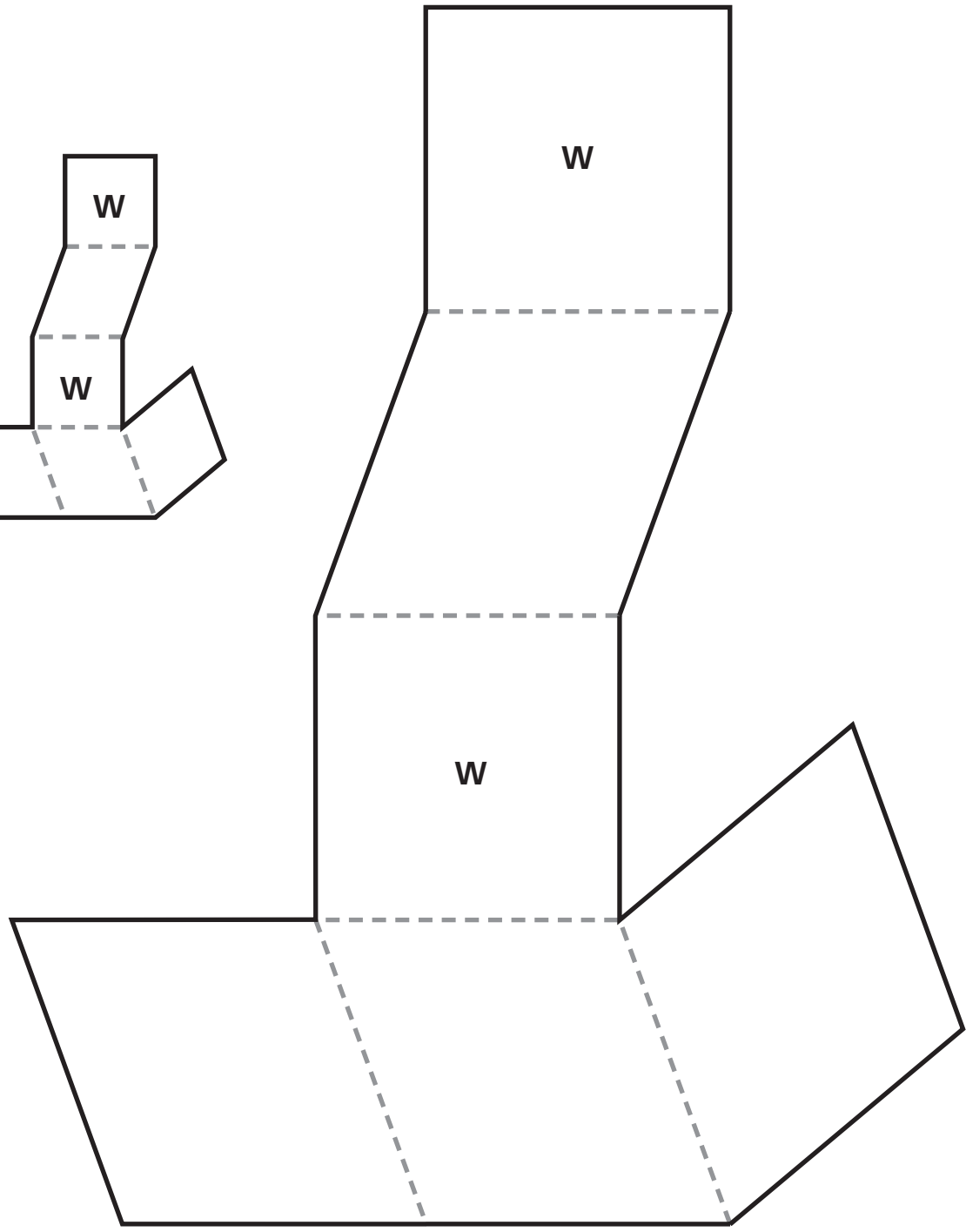
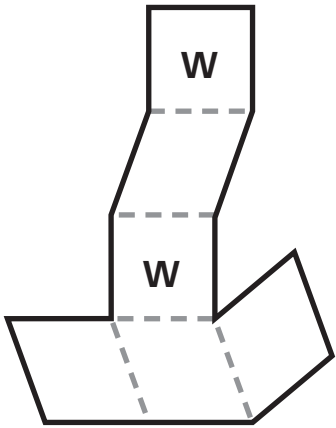
Net V

Cut along the solid lines. Fold along the dashed lines.



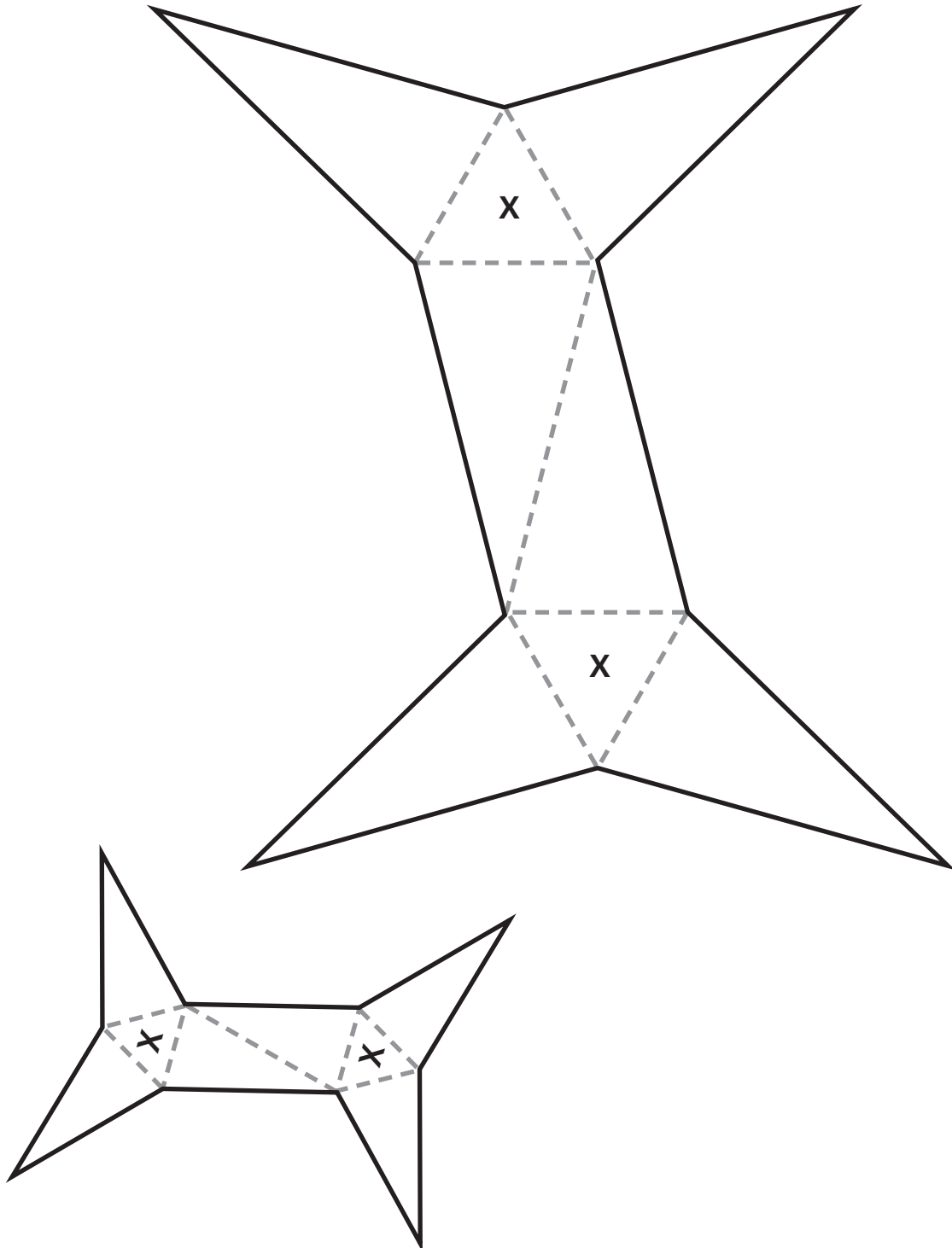
Net W

Cut along the solid lines. Fold along the dashed lines.



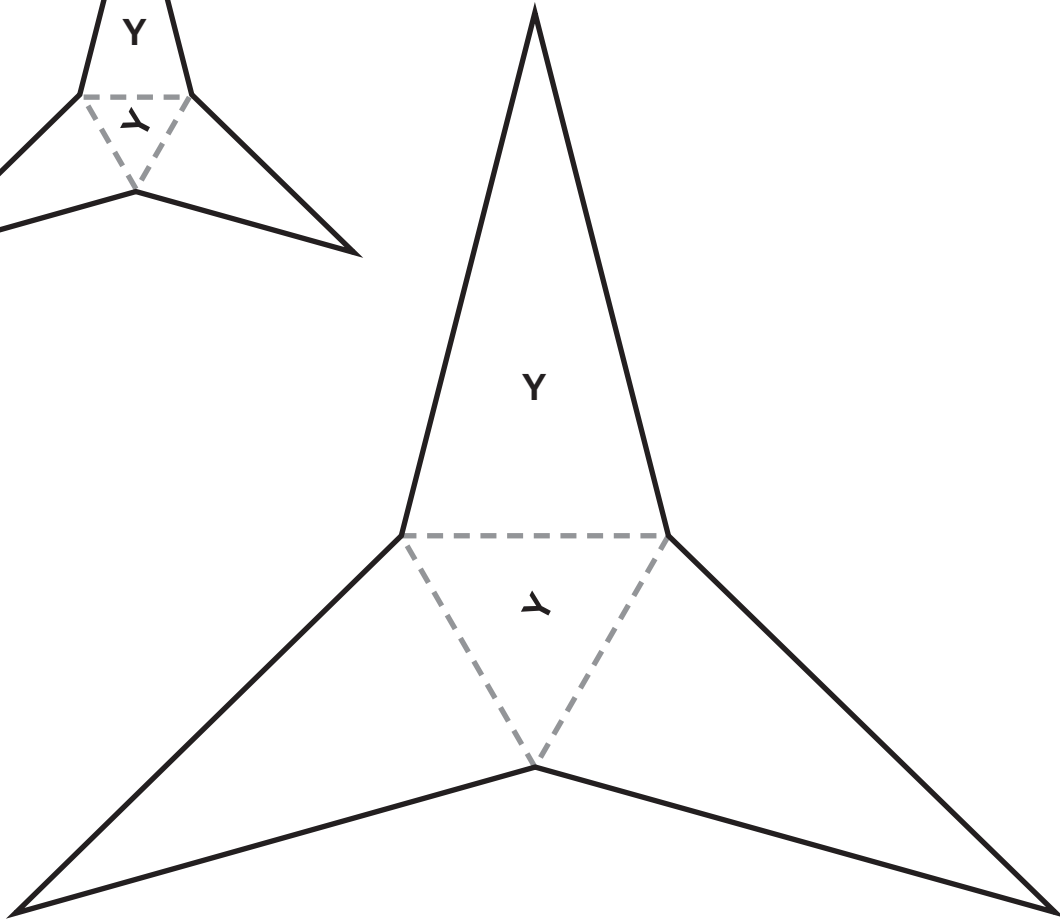
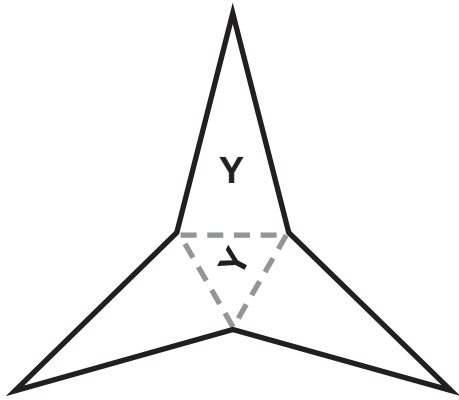
Net X

Cut along the solid lines. Fold along the dashed lines.



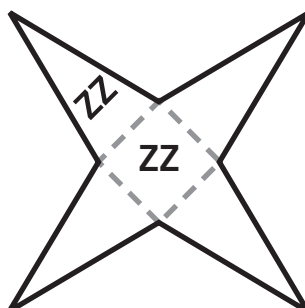
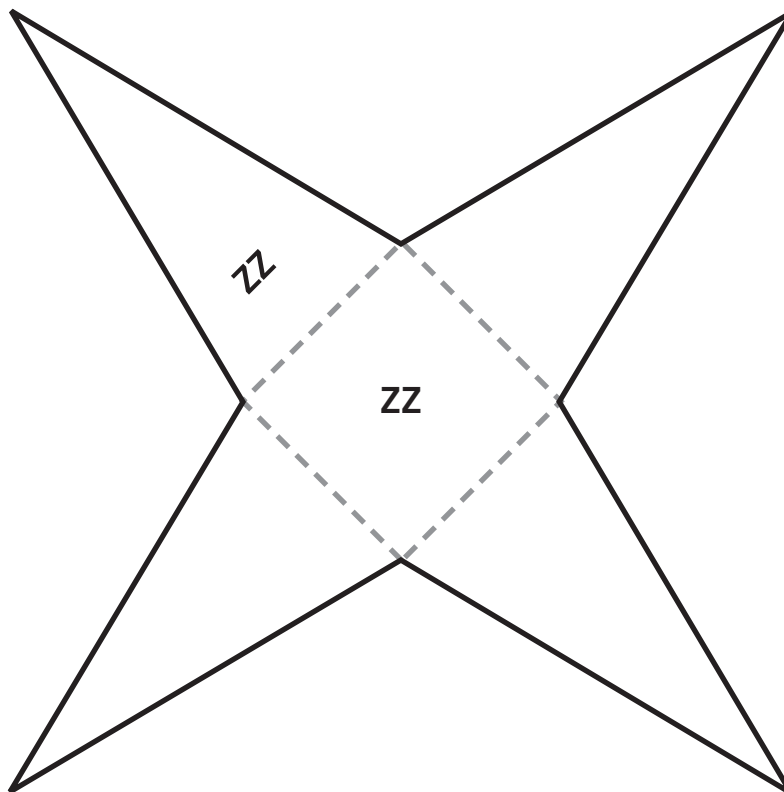
Net Y

Cut along the solid lines. Fold along the dashed lines.



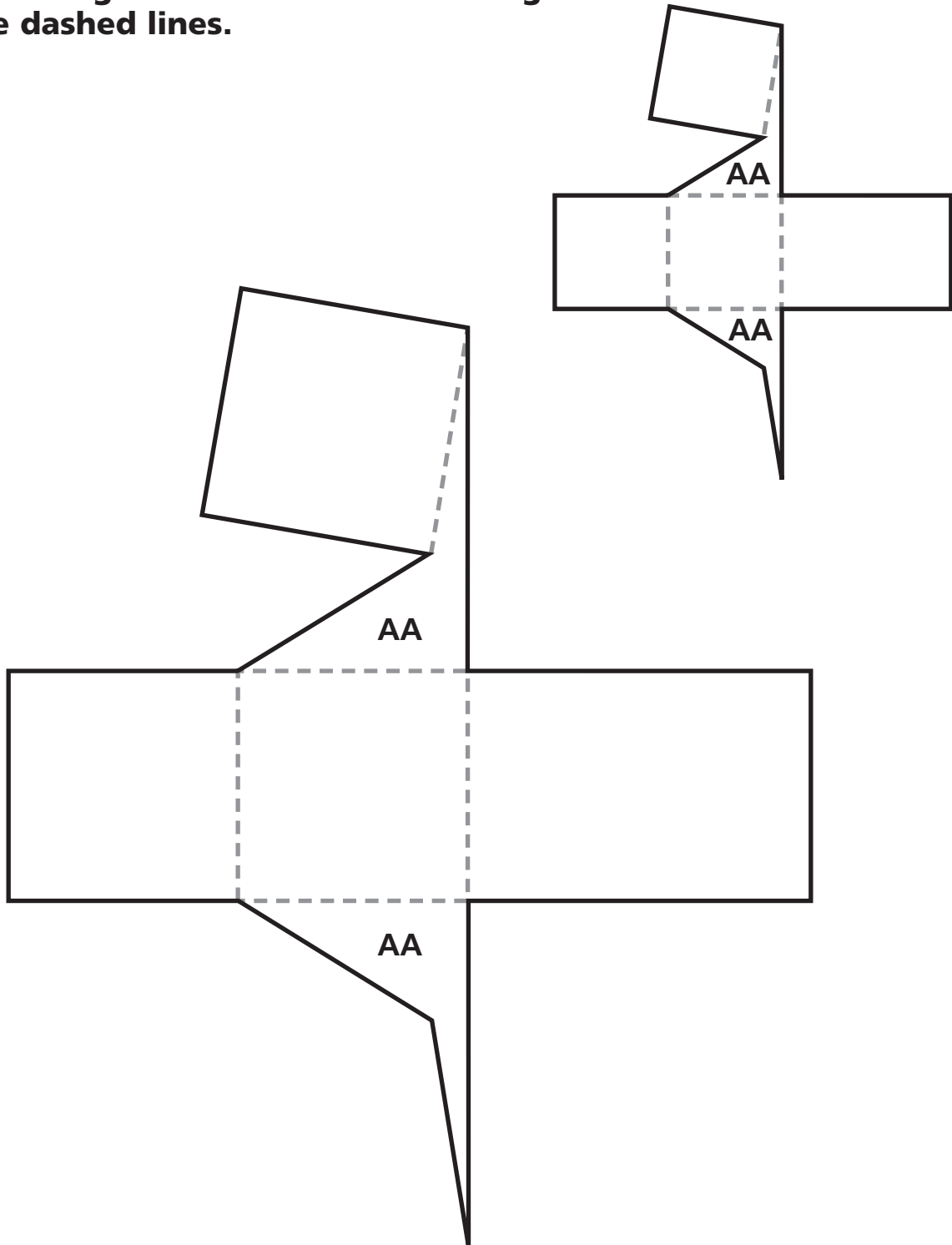
Net ZZ

Cut along the solid lines. Fold along the dashed lines.



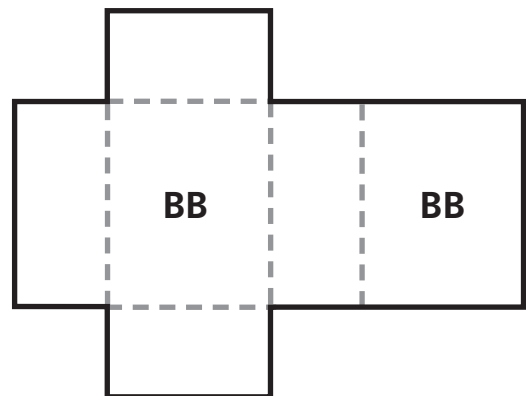
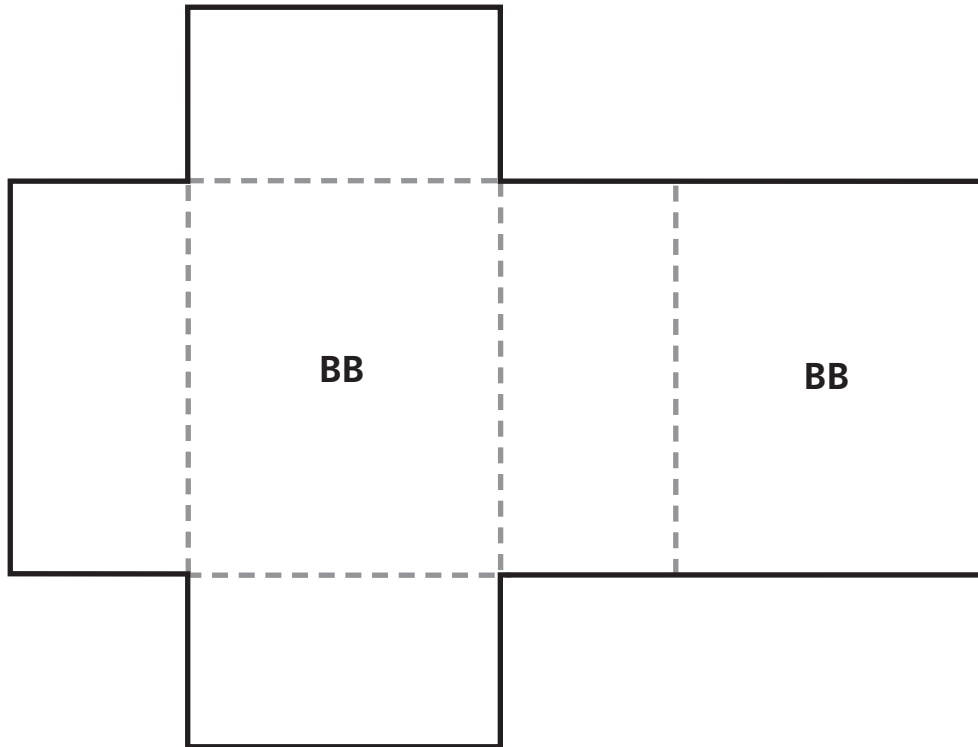
Net AA

Cut along the solid lines. Fold along the dashed lines.



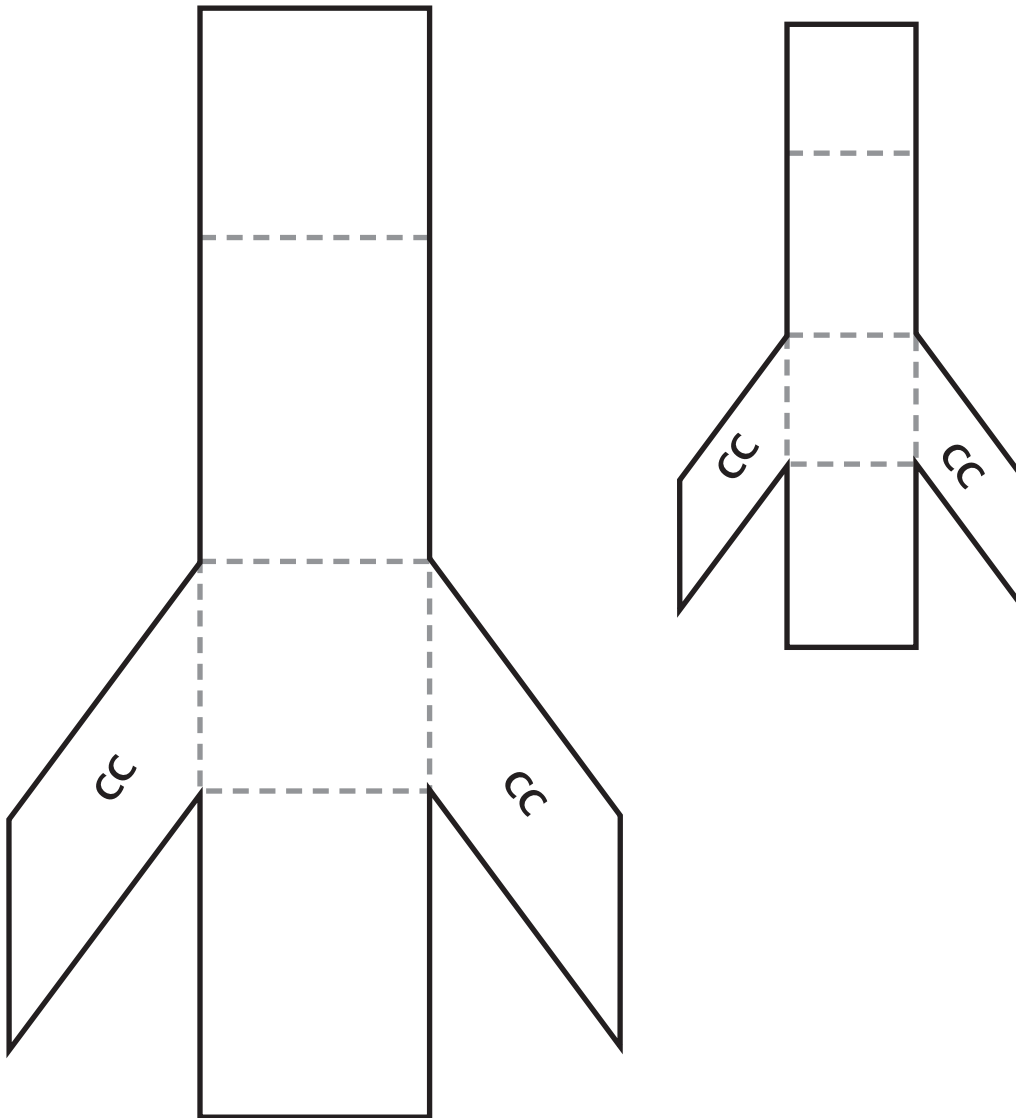
Net BB

Cut along the solid lines. Fold along the dashed lines.



Net CC

Cut along the solid lines. Fold along the dashed lines.



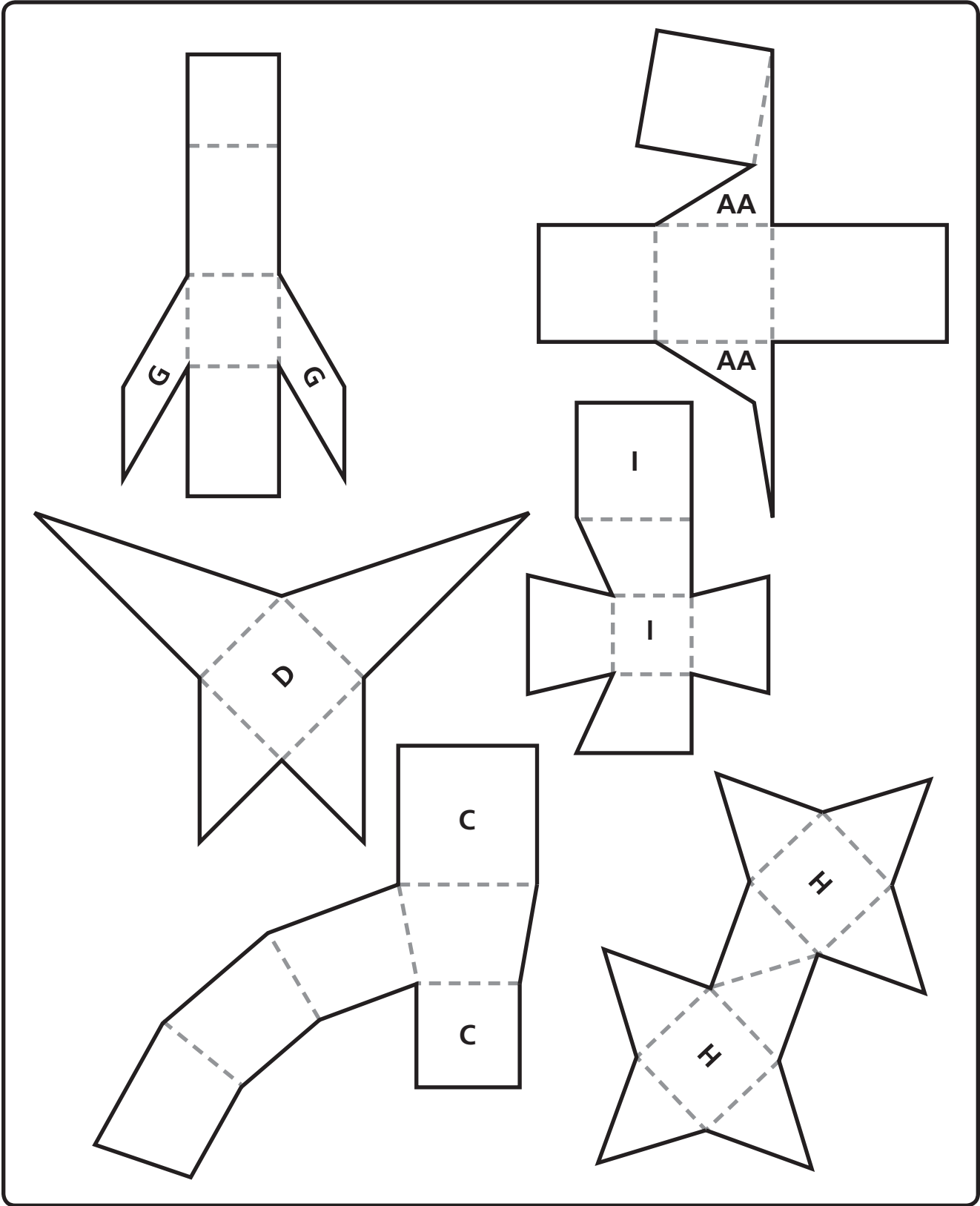
Counting Attributes

Use a figure from the Figure Zoo to answer the questions.

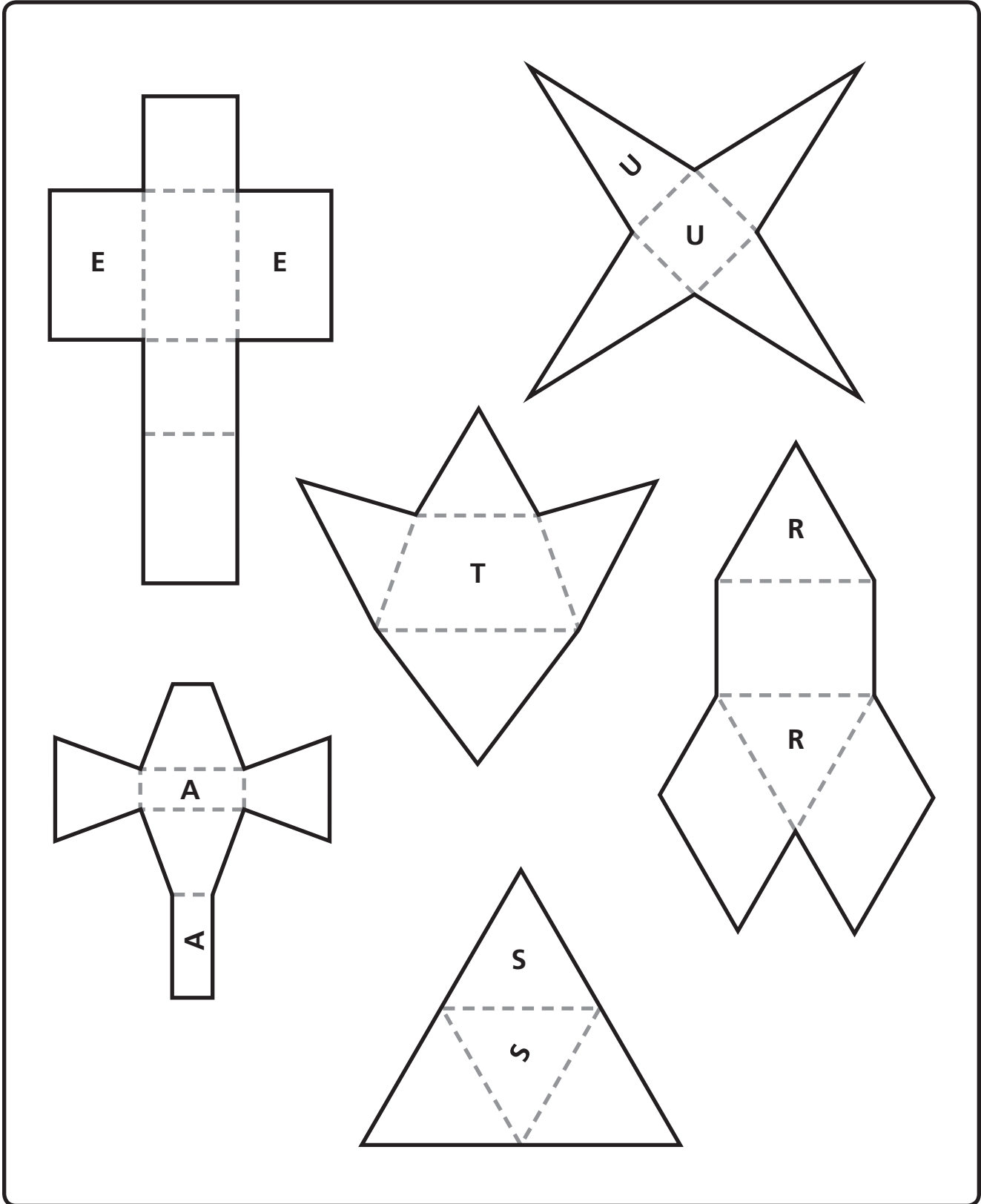
- 1 Write the letter that is on your figure. _____
- 2 How many faces does the three-dimensional figure have? _____
- 3 How many faces are triangles? _____
- 4 How many faces are parallelograms? _____
- 5 Does your three-dimensional figure have faces that are not triangles or parallelograms? If so, what shape are they?

- 6 How many edges does the three-dimensional figure have? _____
- 7 How many vertices does the three-dimensional figure have? _____

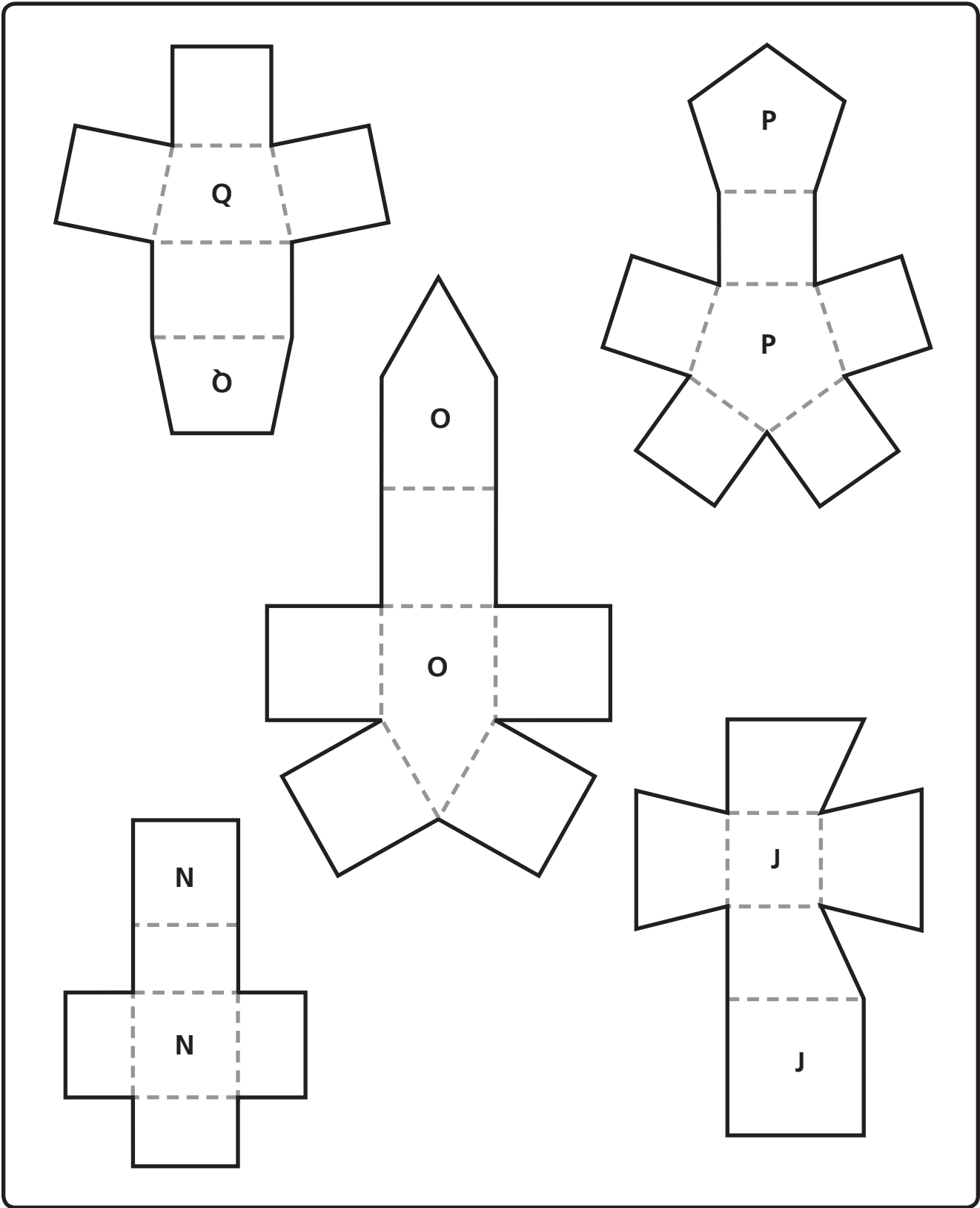
Small Nets 1



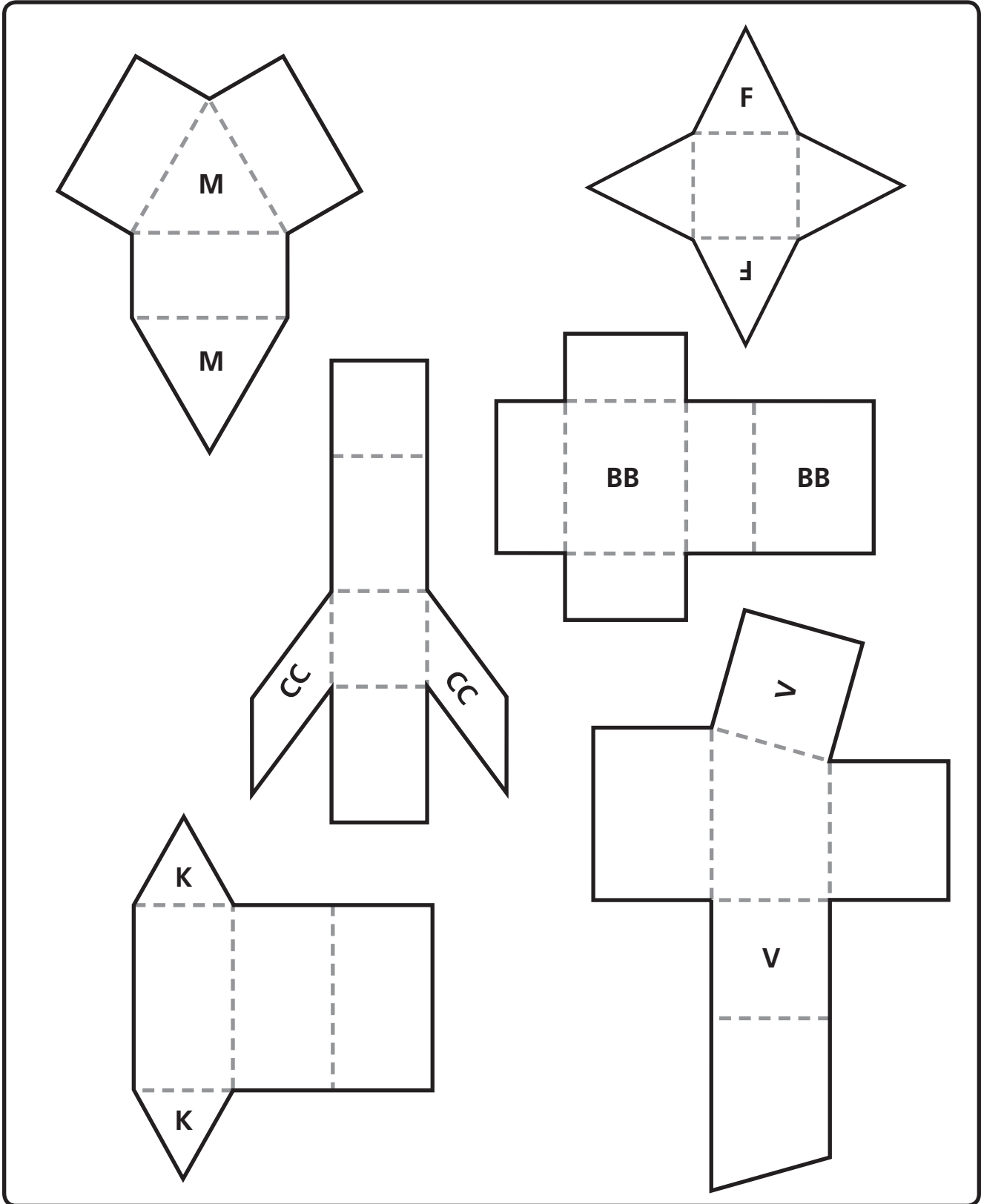
Small Nets 2



Small Nets 3



Small Nets 4



Small Nets 5

