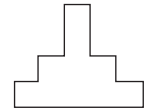# Problem Solving: Use Objects

Pentomino Construction Company There are 12 different pentominoes. Which two pentominoes can be used to make this shape?
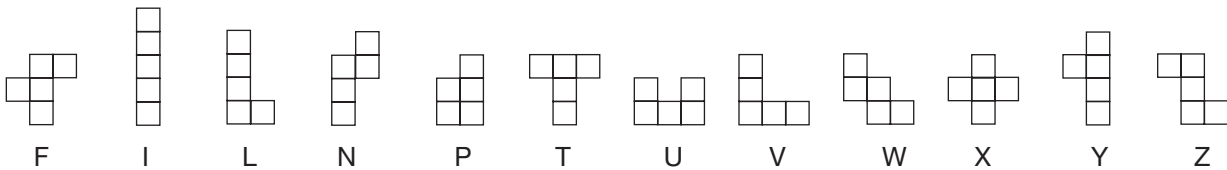
Read and Understand

What do you know? There are 12 different pentominoes. Two pentominoes are used to construct this shape.

What are you trying to find? The two pentominoes used to make the shape.

Plan and Solve

What strategy will you use? Use objects, in this case pentominoes.

Study the shape and compare the corners and angles to the group of pentominoes. Choose two pentominoes to make the figure.
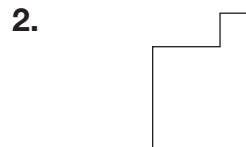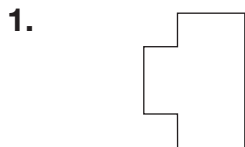
F   I   L   N   P   T   U   V   W   X   Y   Z

Since the base is 5 units, try the I and the T pentominoes. If your first choice does not work, try other pentominoes.

Look Back and Check

Is your answer reasonable? Yes. The two pentominoes make the same shape.

Fit two pentominoes together to create each shape. Draw the pentominoes used in each figure.

1.

2.

3. Writing to Explain A figure is made from three pentominoes. What is the area of the figure in square units? How did you find your answer?