

## Assessment : Section B Checkpoint

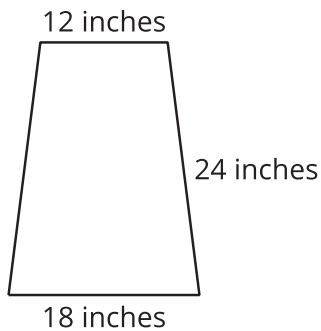
### Problem 1

#### Goals Assessed

- Solve problems involving unknown side lengths, perimeter, area, and angle measurements using the known attributes and properties of two-dimensional shapes.

#### Statement

This figure has one line of symmetry. What is the perimeter of the shape? Explain or show your reasoning.



#### Solution

78 inches. The line of symmetry tells me the unlabelled side is 24 inches and  $12 + 18 + 24 + 24 = 78$ .

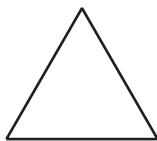
### Problem 2

#### Goals Assessed

- Solve problems involving unknown side lengths, perimeter, area, and angle measurements using the known attributes and properties of two-dimensional shapes.

#### Statement

This figure has three lines of symmetry and a perimeter of 18 cm. What is the length of each of the sides? Explain or show your reasoning.



**Solution**

If the triangle has three lines of symmetry then the 3 side lengths are all equal. 18 cm divided by 3 is 6 cm for each side.