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Module 4 Solving Problems Using Linear Equations of One Variable
Lesson 3 Solving Geometry Problems Using Equations of One Variable



**guided
practice**

Set 1

1. The perimeter of a square is 26 inches. Find the length of each side.

Each side is 6.5 in. long.

2. In an isosceles triangle, the base is 2 ft shorter than a leg. Find the length of the base if the perimeter is 25 ft.

The base is 7 ft long.

3. The length of a rectangle is 5 cm more than the width. Find the length if the rectangle's perimeter is 28 cm.

The length is 9.5 cm.

Set 2

1. In an isosceles triangle, the vertex angle is 90° more than each base angle. Find the measure of the vertex angle.

The vertex angle is 120° .

2. In a scalene triangle, the measure of the first angle is 20 degrees less than the second. The third angle measures twice the second. Find the measure of the smallest angle.

The smallest angle measures 30° .

3. The measure of an angle is half the measure of its supplement. Find the measure of the angle.

The measure of the angle is 60° .

