Area and Perimeter Story Problems

Name: _____

Read each story. Decide if it asks for area, perimeter or a missing side. Draw a picture and show your work.

1. A rug is 8 feet long and 5 feet wide. What is the area of the rug?

Answer: _____

2. A garden is a rectangle 12 meters long and 7 meters wide. How much fence is needed to go all the way around it?

Answer: _____

3. A poster has an area of 54 square inches. It is 6 inches wide. How tall is the poster?

Answer: _____

4. A kitchen floor is 10 feet long and 9 feet wide. Each tile covers 1 square foot. How many tiles cover the floor?

Answer: _____

5. An L-shaped room is made of two rectangles. One is 6 meters by 4 meters. The other is 3 meters by 2 meters. What is the area of the whole room?

Answer: _____

6. A square patio has sides 7 meters long. Find its area and its perimeter.

Answer: _____

Area and Perimeter Story Problems (Answer Key)

Read each story. Decide if it asks for area, perimeter or a missing side. Draw a picture and show your work.

1. A rug is 8 feet long and 5 feet wide. What is the area of the rug?

8 × 5 = 40

Answer: **40 sq ft**

2. A garden is a rectangle 12 meters long and 7 meters wide. How much fence is needed to go all the way around it?

12 + 7 + 12 + 7 = 38

Answer: **38 m**

3. A poster has an area of 54 square inches. It is 6 inches wide. How tall is the poster?

54 ÷ 6 = 9

Answer: **9 in**

4. A kitchen floor is 10 feet long and 9 feet wide. Each tile covers 1 square foot. How many tiles cover the floor?

10 × 9 = 90

Answer: **90 tiles**

5. An L-shaped room is made of two rectangles. One is 6 meters by 4 meters. The other is 3 meters by 2 meters. What is the area of the whole room?

24 + 6 = 30

Answer: **30 sq m**

6. A square patio has sides 7 meters long. Find its area and its perimeter.

7 × 7 = 49 and 4 × 7 = 28

Answer: **49 sq m, 28 m**