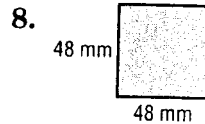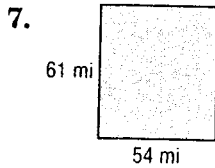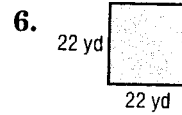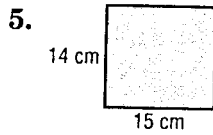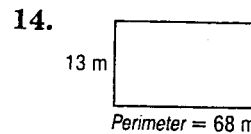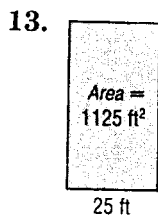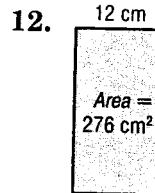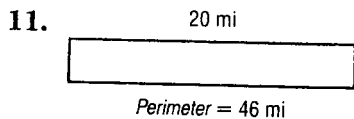## 3-7 Practice

Using Formulas

1. **AIR TRAVEL** What is the rate, in miles per hour, of a plane that travels 1680 miles in 3 hours?

2. **TRAVEL** A train is traveling at 54 miles per hour. How long will it take to go 378 miles?

3. **SWIMMING** What is the rate, in feet per second, of a swimmer who crosses a 164-foot-long pool in 41 seconds?

4. **BALLOONING** A balloon is caught in a wind traveling at 25 feet per second. If the wind is constant, how long will it take the balloon to travel 1000 feet?

Find the perimeter and area of each rectangle.

5.
14 cm
15 cm

6.
22 yd
22 yd

7.
61 mi
54 mi

8.
48 mm
48 mm

9. a rectangle that is 92 meters long and 18 meters wide

10. a rectangle that is 30 inches long and 29 inches wide

Find the missing dimension in each rectangle.

11.
20 mi
Perimeter = 46 mi

12.
12 cm
Area = 276 cm²

13.
Area = 1125 ft²
25 ft

14.
13 m
Perimeter = 68 m

15. **GEOMETRY** The area of a rectangle is 1260 square inches. Its length is 36 inches. Find the width.