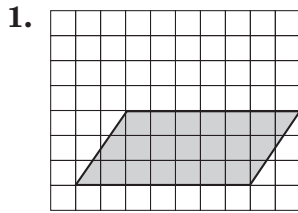# Lesson 1 Homework Practice
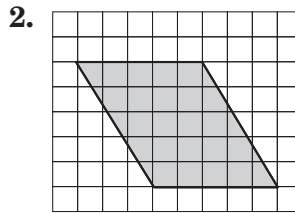
Area of Parallelograms
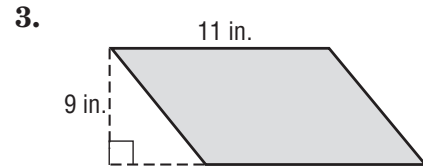
Find the area of each parallelogram.

1.

21 units²

2.

25 units²

3.

11 in.

9 in.

99 in²

4.

4 ft

8 ft

32 ft²

5.

$9\frac{1}{2}$ yd

$5\frac{1}{3}$ yd

$50\frac{2}{3}$ **yd²**

6.

24.9 m

59.3 m
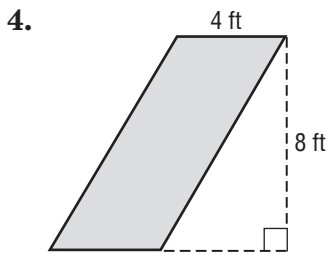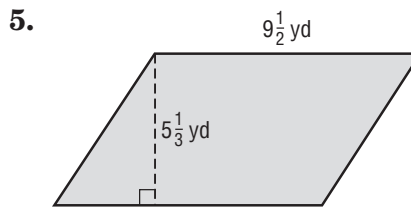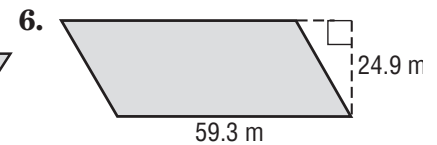
1,476.57 m²

Find the area of the shaded region in each figure.

7.

31 mm

13 mm

6 mm

18 mm

480 mm²

8.

7 in.

13 in.

12 in.

21 in.
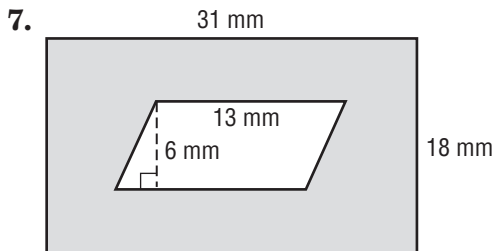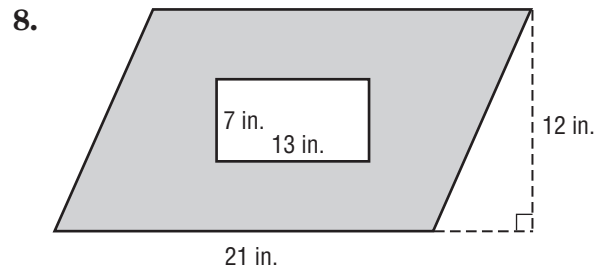
161 in²

9. Find the base of a parallelogram with height $6\frac{5}{8}$ feet and area $26\frac{1}{2}$ square feet.   **4 ft**

10. Find the height of a parallelogram with base 9.44 meters and area 70.8 square meters.   **7.5 m**

11. FLAGS Find the area of the shaded region of the flag of the Republic of the Congo.   **28 in²**

12. GARDENING Liam is preparing a 78 square foot plot for a garden. The plot will be in the shape of a parallelogram that has a height of 6 feet. What will be the length of the base of the parallelogram? Explain your reasoning.
13 ft; since area = base × height, find the base by dividing: 78 ÷ 6 = 13.

6.8 in.

2 in.

5.2 in.

8 in.