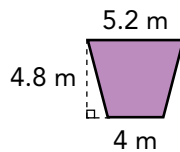# Quadrilateral Area Problems

Solve.

1 The Hammond family plans to buy a cover for their new in-ground swimming pool. The rectangular cover has a length of 38 feet and a width of 20 feet. How many square feet is the area of this pool cover?

2 Marty just bought an area rug for her sunroom. The rug is shaped like the isosceles trapezoid shown. How many square meters is this area rug?
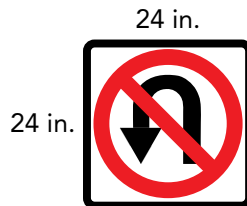
5.2 m

4.8 m

4 m

3 A developer is planning to build an office building on a plot of land that is shaped like a parallelogram. The distance of the base of the plot is 0.4 mile, and the height is 0.8 mile. How many square miles is the area of this plot?

4 Gertrude has a flower bed in her backyard that is in the shape of a square. The side length of the flower bed is 2 ft 5 in. How many square inches is the area of the flower bed?
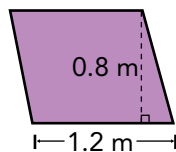
5 Jessica's bedroom is rectangular in shape. The length of her room is 12 feet, and the width is 14 feet. How many square feet is the area of Jessica's bedroom?

6 The Edwards family has a deck attached to the rear of their house. The rectangular deck has a width of 10 feet and a length of 25 feet. How many square feet is the area of the deck?
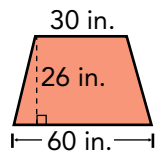
7 Buford just framed his favorite poster. The rectangular poster frame has a width of 27 inches and a length of 40 inches. How many square inches is the area of this poster frame?

8 One face of a cardboard box has length 8 centimeters and width 3 centimeters. How many square centimeters is the area of this face of the box?

9 Some signs are in the shape of a square. How many square inches is the area of the sign shown?

24 in.

24 in.

10 The base of a fountain on display at the garden show is in the shape of a parallelogram and has the dimensions shown. How many square meters is the area of the base of the fountain?

0.8 m

1.2 m

11 Ajeet's preschool has an activity table. The dimensions of the tabletop are shown. How many square inches is the area of the tabletop?

30 in.

26 in.

60 in.

12 An outdoor dog kennel has a length of 12 feet and width of 6 feet. How many square feet is the area of the dog kennel?

A	B	C	D	E	F
1,170	0.32	1,080	0.96	24	250
576	168	841	760	22.08	72
G	H	I	J	K	L

Objective: Solve word problems involving areas of quadrilaterals.