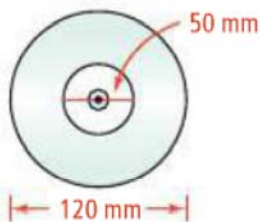**Homework: p. 66: 43-46 all, 51-52, 55, 56**
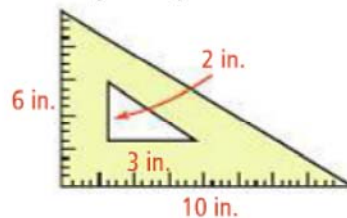
43. A rectangle has perimeter 40 cm and base 12 cm. What is its area?

Find the area of each shaded figure.
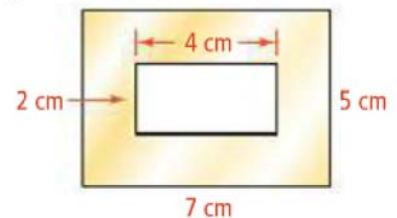
44. compact disc

50 mm

← 120 mm →

45. drafting triangle

2 in.

6 in.

3 in.

10 in.

46. picture frame

← 4 cm →

2 cm

5 cm

7 cm

Coordinate Geometry Graph each rectangle in the coordinate plane. Find its perimeter and area.

51. $A(-3, 2)$, $B(-2, 2)$, $C(-2, -2)$, $D(-3, -2)$

52. $A(-2, -6)$, $B(-2, -3)$, $C(3, -3)$, $D(3, -6)$

55. Pet Care You want to adopt a puppy from your local animal shelter. First, you plan to build an outdoor playpen along the side of your house, as shown on the right. You want to lay down special dog grass for the pen's floor. If dog grass costs $1.70 per square foot, how much will you spend?

56. A rectangular garden has an 8-ft walkway around it. How many more feet is the outer perimeter of the walkway than the perimeter of the garden?

1 ft

6 ft   Pen   House

1 ft

← 3 ft →