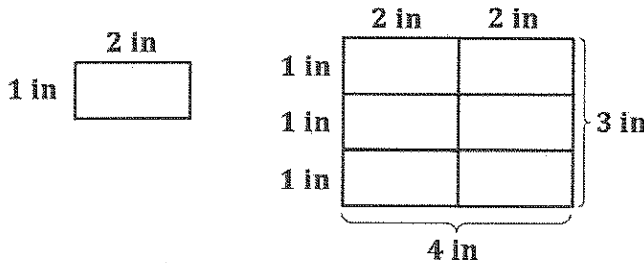


G4-M3-Lesson 3

Solve the following problems. Use pictures, numbers, or words to show your work.

1. A calendar is 2 times as long and 3 times as wide as a business card. The business card is 2 inches long and 1 inch wide. What is the perimeter of the calendar?



$$P = 2 \times (l + w)$$

$$P = 2 \times (4 \text{ in} + 3 \text{ in})$$

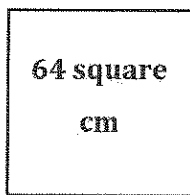
$$P = 2 \times 7 \text{ in}$$

$$P = 14 \text{ in}$$

The perimeter of the calendar is 14 inches.

I draw a diagram with a width 3 times that of the card (3 in).
I label the length to equal twice the width of the card (4 in).

2. Rectangle A has an area of 64 square centimeters. Rectangle A is 8 times as many square centimeters as rectangle B. If rectangle B is 4 centimeters wide, what is the length of rectangle B?

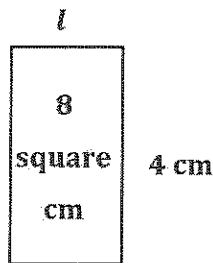


Rectangle A

1 unit = B square cm
 8 units = 64 square cm
 $64 \div 8 = B$
 $B = 8$

There are so many ways to solve!

The area of rectangle B is 8 square centimeters.



Rectangle B

$$A = w \times l$$

$$8 = 4 \times l$$

$$l = 8 \div 4$$

$$l = 2$$

The length of rectangle B is 2 cm.