

Year 4
Chapter 13
Topic: Area and Perimeter
Sub Topic: Perimeter of Rectangles

Name: _____

Date: _____

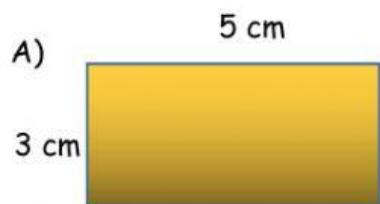
Lesson Objectives	Steps to follow
1) To find the length or breadth of a rectangle given its perimeter and the breadth or length respectively.	1) Write the formula 2) To find perimeter, we add all the sides. 3) To find Length / Breadth, we divide the given perimeter by 2 then subtract the result by the length or breadth. 4) Write the unit in cm or m.

Perimeter of a Rectangles



$$\begin{aligned}
 \text{Perimeter of rectangle} &= \text{Length} + \text{Breadth} + \text{Length} + \text{Breadth} \\
 &\text{OR} \\
 &= 2 \times \text{Length} + \text{Breadth}
 \end{aligned}$$

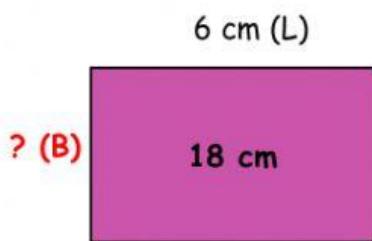
Example: Find the perimeter of the figure below.



Perimeter of rectangle

$$\begin{aligned}
 &= 5 \text{ cm} + 3 \text{ cm} + 5 \text{ cm} + 3 \text{ cm} \\
 &= 16 \text{ cm}
 \end{aligned}$$

B) Find the missing side given the area,



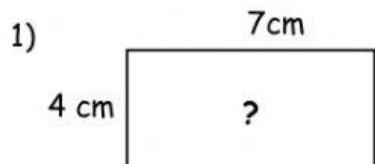
$$\begin{aligned}
 \text{Perimeter} &= 18 \div 2 \\
 &= 9 \text{ cm}
 \end{aligned}$$

$$\begin{aligned}
 \text{Length} &= 6 \text{ cm} \\
 \text{Breadth} &= 9 - 6 \\
 &= 3 \text{ cm}
 \end{aligned}$$

Year 4
Chapter 13
Topic: Area and Perimeter
Sub Topic: Perimeter of Rectangles

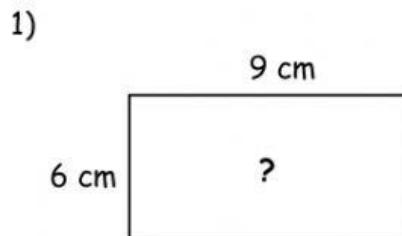
Exercise 1.

Find the area of each figure below.



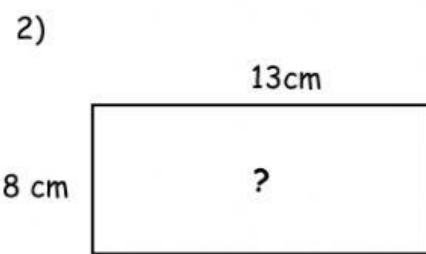
Perimeter of rectangle

$$= \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm}$$
$$= \underline{\hspace{1cm}} \text{ cm}$$



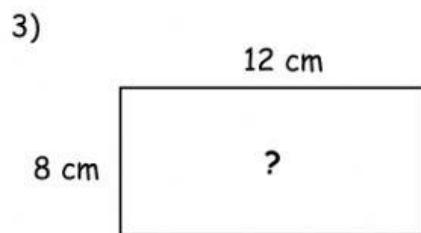
Perimeter of rectangle

$$= \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm}$$
$$= \underline{\hspace{1cm}} \text{ cm}$$



Perimeter of rectangle

$$= \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm}$$
$$= \underline{\hspace{1cm}} \text{ cm}$$



Perimeter of rectangle

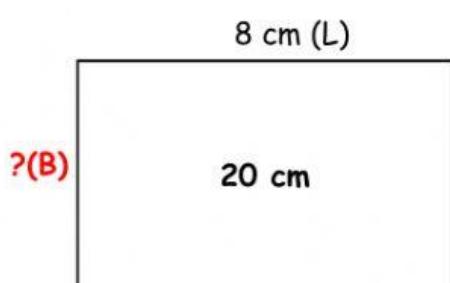
$$= \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm}$$
$$= \underline{\hspace{1cm}} \text{ cm}$$

Year 4
Chapter 13
Topic: Area and Perimeter
Sub Topic: Perimeter of Rectangles

Exercise 2

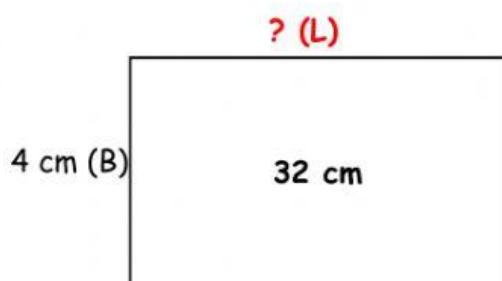
Find the Length or Breadth given perimeter.

4) The perimeter of rectangle is 20 cm. Its length is 8 cm . Find the breadth of the rectangle.



$$\begin{aligned}\text{Perimeter} &= 20 \div 2 \\ &= \underline{\hspace{2cm}} \text{ cm} \\ \text{Length} &= \underline{\hspace{2cm}} \text{ cm} \\ \text{Breadth} &= \underline{\hspace{2cm}} - \underline{\hspace{2cm}} \\ &= \underline{\hspace{2cm}} \text{ cm}\end{aligned}$$

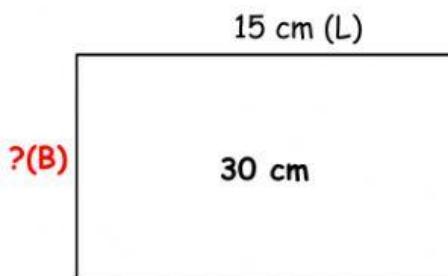
5) The perimeter of rectangle is 32 cm. Its breadth is 4 cm . Find the breadth of the rectangle.



$$\begin{aligned}\text{Perimeter} &= 32 \div 2 \\ &= \underline{\hspace{2cm}} \text{ cm} \\ \text{Breadth} &= \underline{\hspace{2cm}} \text{ cm} \\ \text{Length} &= \underline{\hspace{2cm}} - \underline{\hspace{2cm}} \\ &= \underline{\hspace{2cm}} \text{ cm}\end{aligned}$$

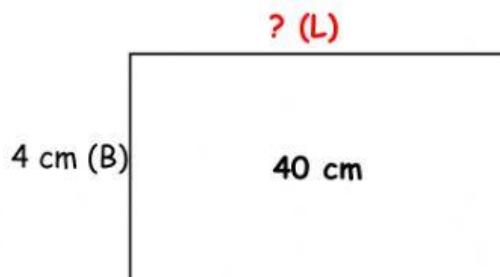
Year 4
Chapter 13
Topic: Area and Perimeter
Sub Topic: Perimeter of Rectangles

6) The perimeter of rectangle is 30 cm. Its length is 18 cm . Find the breadth of the rectangle.



Perimeter	=	_____	÷	2
	=	_____	cm	
Length	=	_____	cm	
Breadth	=	_____	-	_____
	=	_____	cm	

7) The perimeter of rectangle is 40 cm. Its breadth is 4 cm . Find the breadth of the rectangle.



Perimeter	=	_____	÷	2
	=	_____	cm	
Breadth	=	_____	cm	
Length	=	_____	-	_____
	=	_____	cm	