Area of Rectangles & Squares

Geometry

Mr. Bower

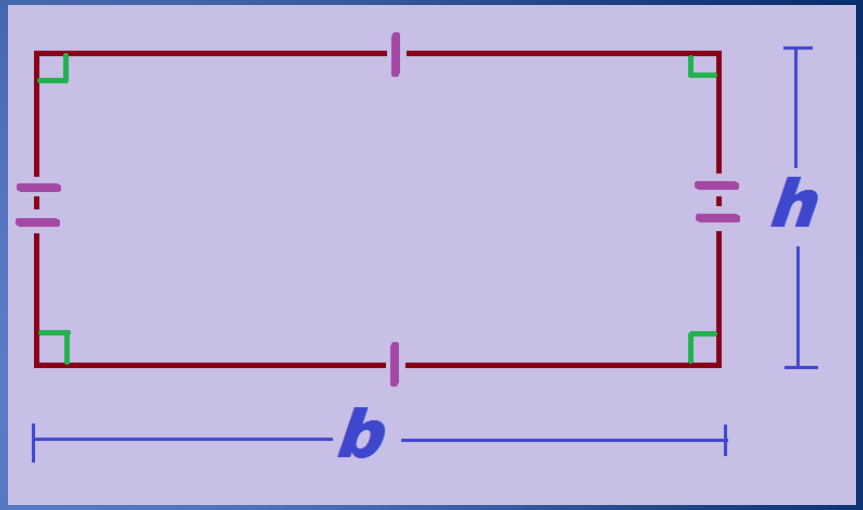
BowerPower.net

Rectangle - Perimeter

- $Perimeter = 2b + 2h$

or

- $Perimeter = 2(b + h)$



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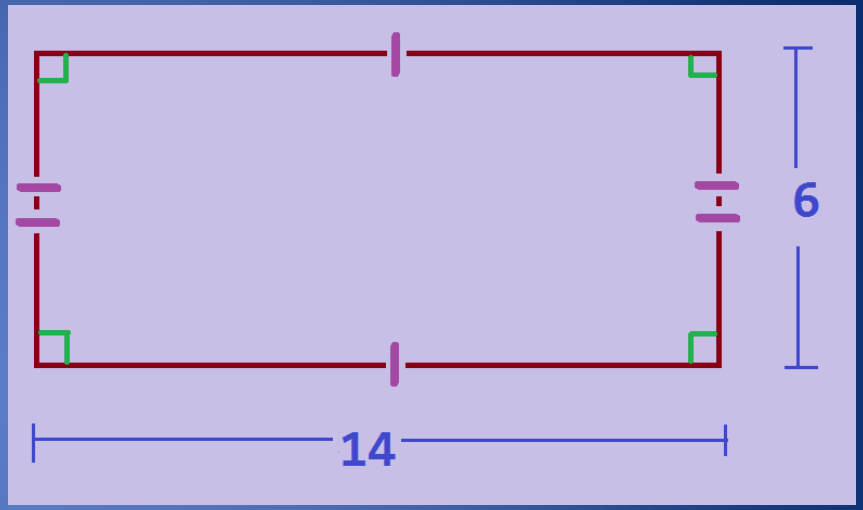

- What is the <u>perimeter</u> of this rectangle?

Rectangle - Perimeter

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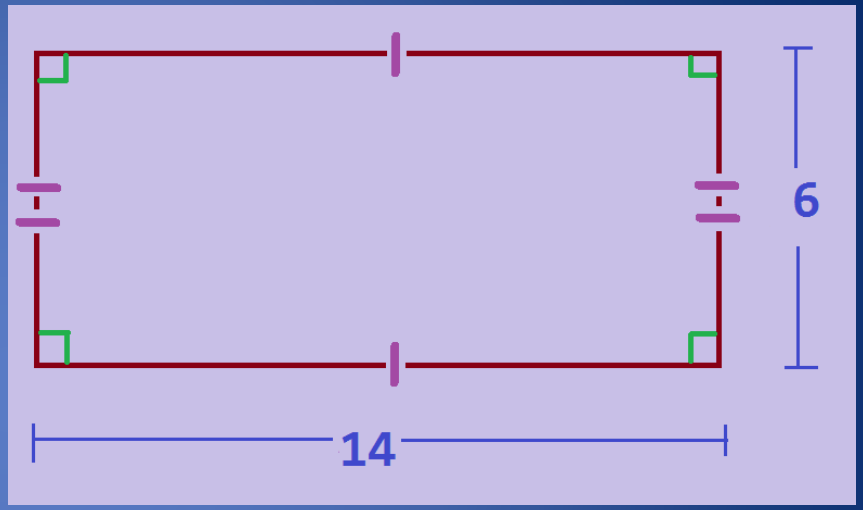
- $Perimeter = 2(b + h)$

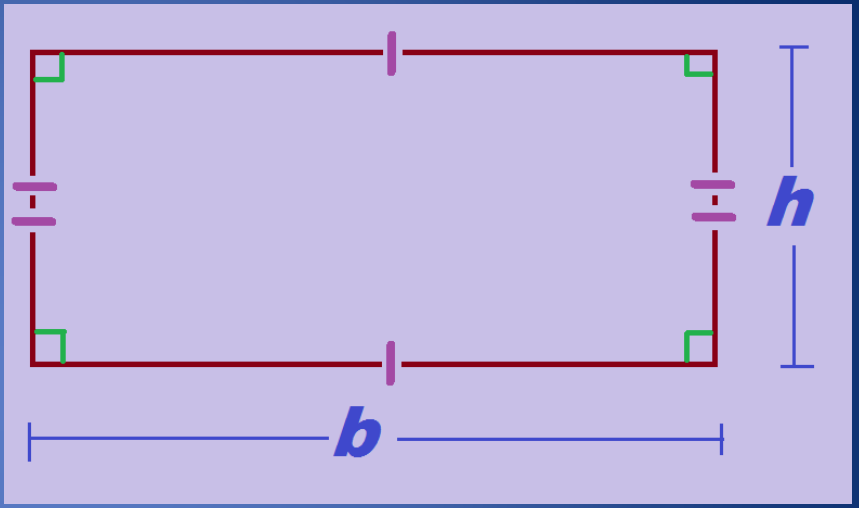


- What is the <u>perimeter</u> of this rectangle?

40

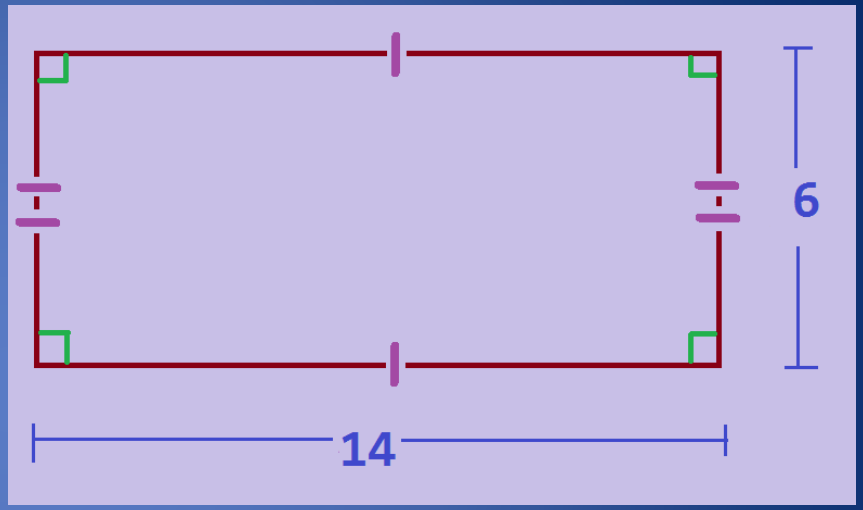
Rectangle - Area

- $Area = b \bullet h$



Rectangle - Area

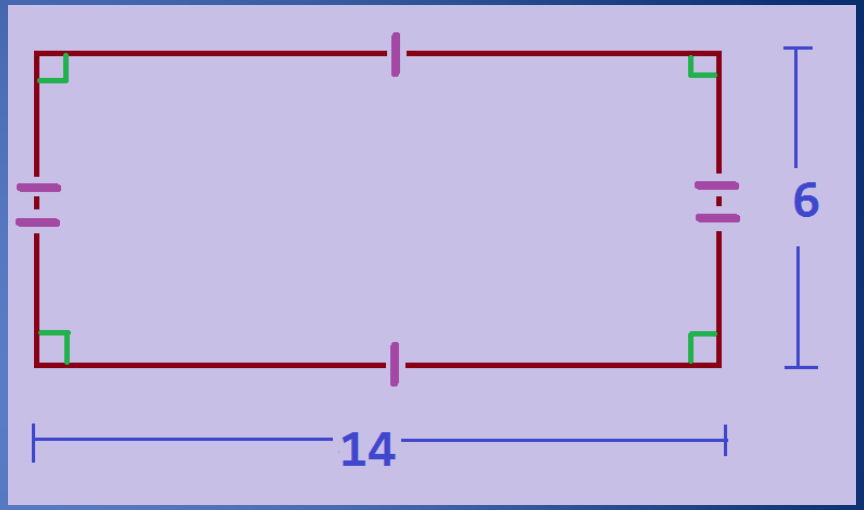
- $Area = b \bullet h$



- What is the area of this rectangle?

Rectangle - Area

- $Area = b \bullet h$

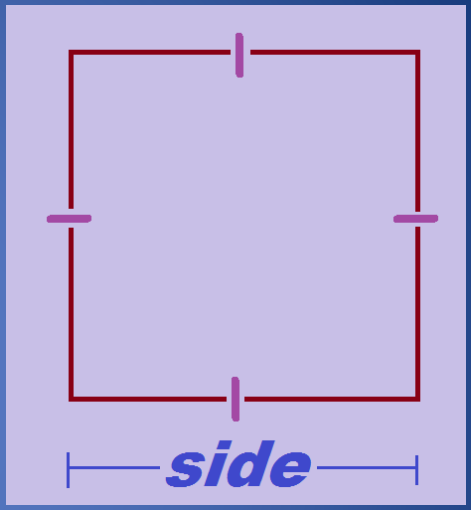


- What is the area of this rectangle?

84

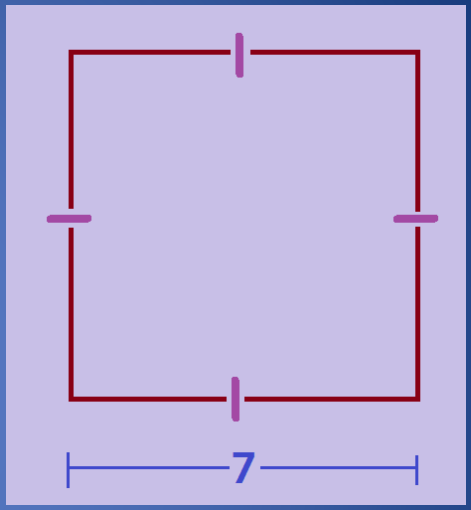
Square - Perimeter

- $Perimeter = 4 \bullet side$



Square - Perimeter

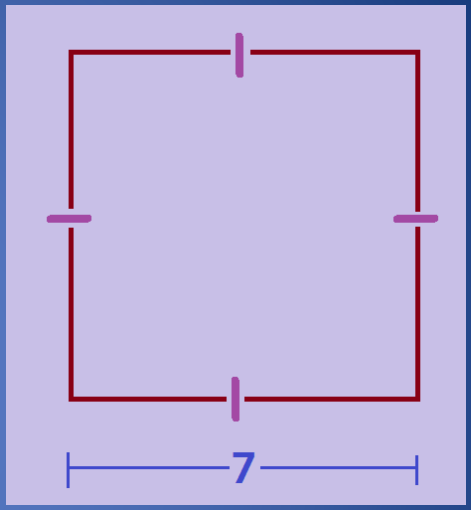
- $Perimeter = 4 \bullet side$



- What is the <u>perimeter</u> of this square?

Square - Perimeter

- $Perimeter = 4 \bullet side$

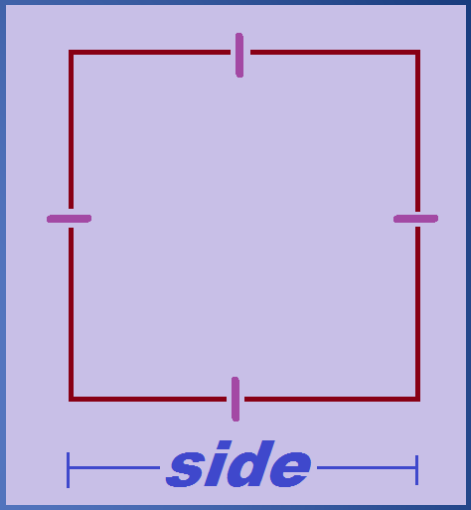


- What is the <u>perimeter</u> of this square?

28

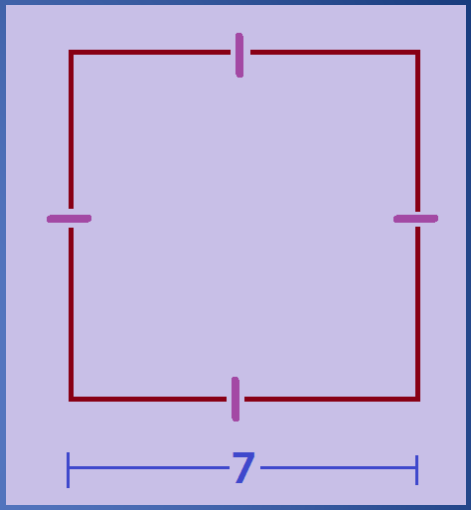
Square - Area

- $Area = (side)^2$



Square - Area

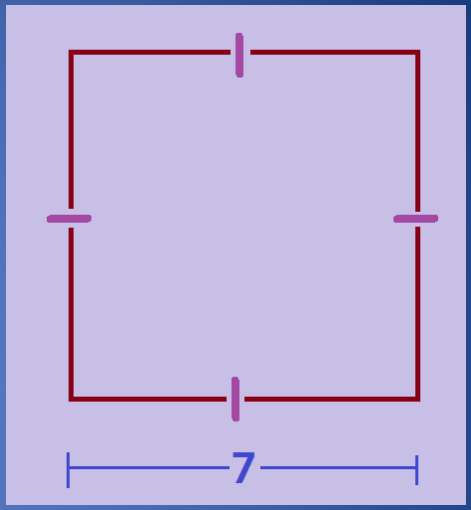
- $Area = (side)^2$



- What is the area of this square?

Square - Area

- $Area = (side)^2$



- What is the <u>area</u> of this square?

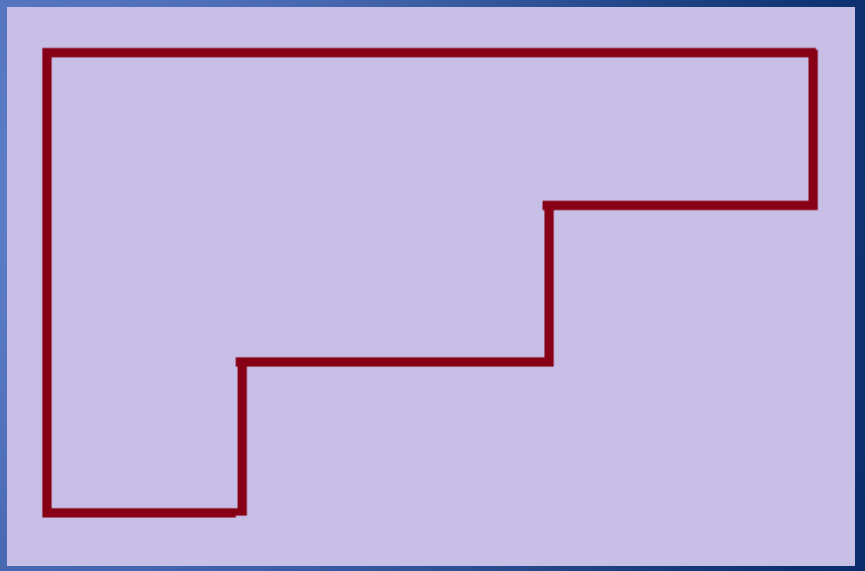
28

Area Addition

Area of entire shape

equals

the sum of the areas of all the parts of the shape



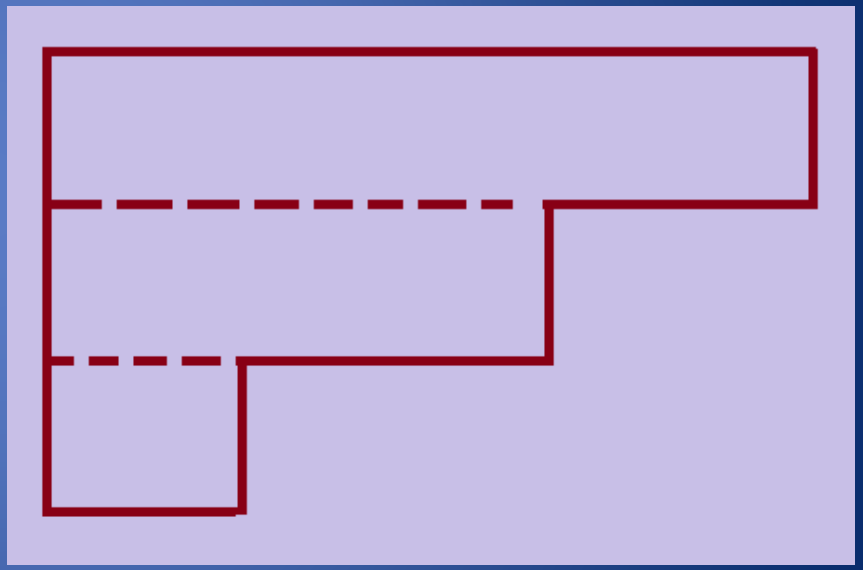
Area Addition

Area of entire shape

equals

the sum of the areas of all the parts of the shape

Let's divide the shape into rectangular parts



Area Addition

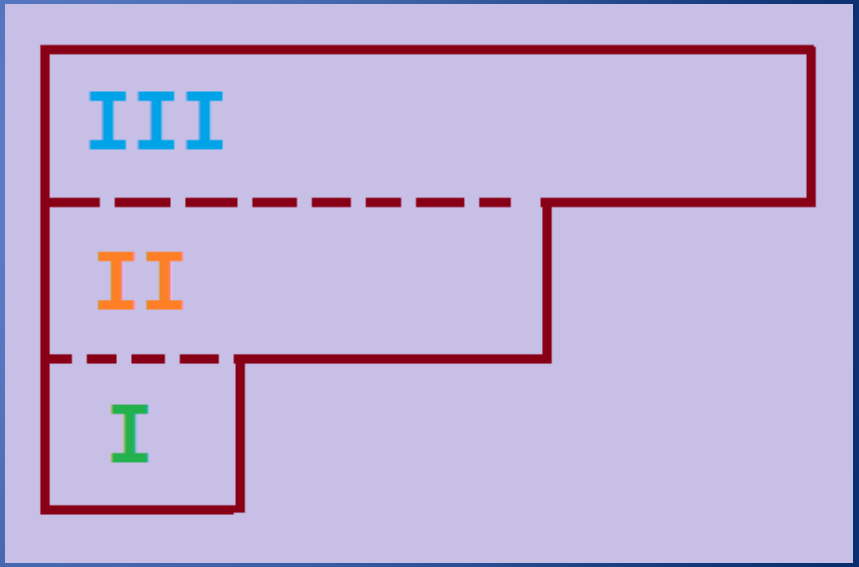
Area of entire shape

equals

the sum of the areas of all the parts of the shape

Let's divide the shape into rectangular parts

(there are three rectangles)



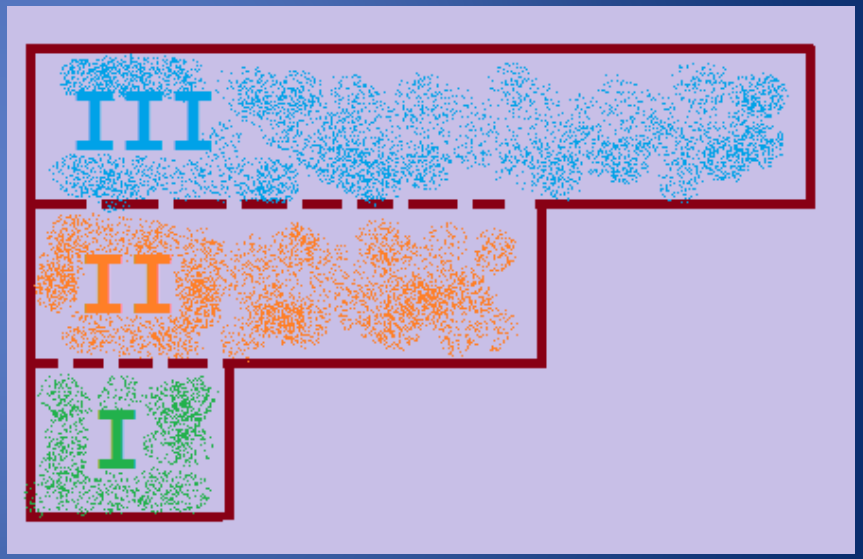
Area Addition

Area of entire shape

equals

the sum of the areas of all the parts of the shape

$$Area = Area\ of\ I + Area\ of\ II + Area\ of\ III$$



Summary

- Rectangle
  - $Perimeter = 2b + 2h$ or $Perimeter = 2(b + h)$
  - $Area = b \bullet h$
- Square
  - $Perimeter = 4 \bullet side$
  - $Area = (side)^2$
- Area Addition
  - Total area = sum of individual parts

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