

Area and Perimeter Everywhere

Name: _____

Answer Key

Date: _____

Vocabulary

Area - the total space taken up by a flat, two-dimensional shape

Perimeter - the total length of a boundary around a space

Activity 1

Measure each side length of the rectangle drawn below.

1



Rectangle #1
Side_Length_1

3.8 inches

(Actual dimensions of the printed image.)



2



Rectangle #1
Side_Length_2

1.5 inches

(Actual dimensions of the printed image.)



3

Calculate the area of the rectangle.

Area of a Rectangle =
Side_Length_1 x Side_Length_2

Area of a Rectangle =
3.8 inches x 1.5 inches

Area of a Rectangle = 5.7 in²

4

Calculate the perimeter of the rectangle

Perimeter of a Rectangle =
2 x Side_Length_1 + 2 x Side_Length_2

Perimeter of a Rectangle =
2 x 3.8 inches + 2 x 1.5 inches
= 7.6 inches + 3 inches

Perimeter of a Rectangle = 10.6 inches

Area and Perimeter Everywhere

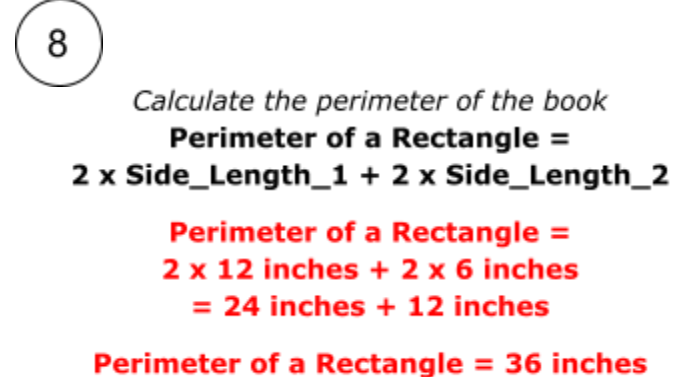
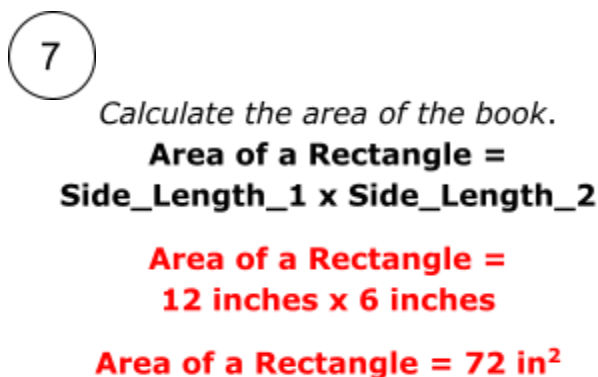
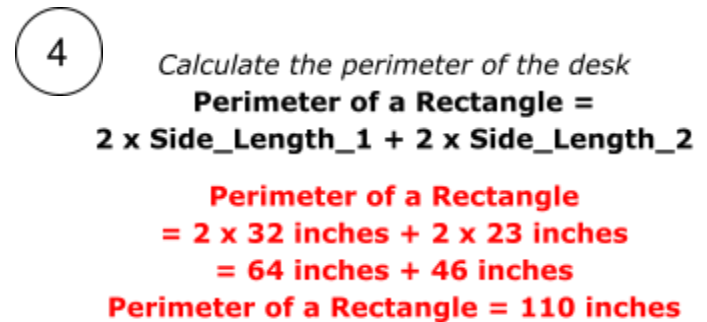
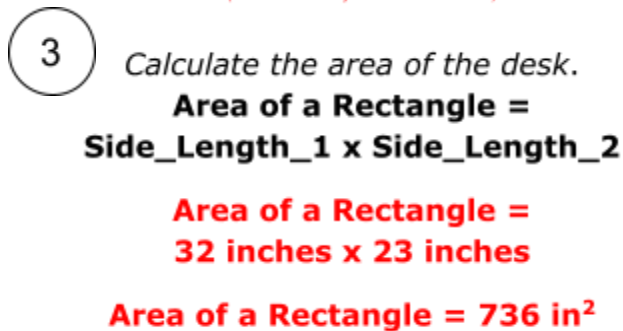
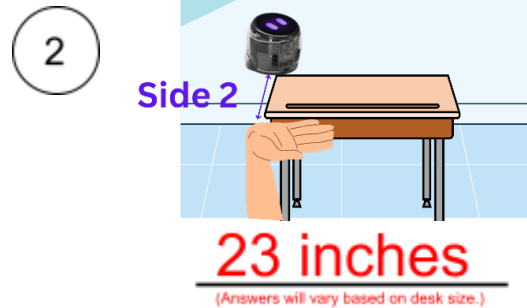
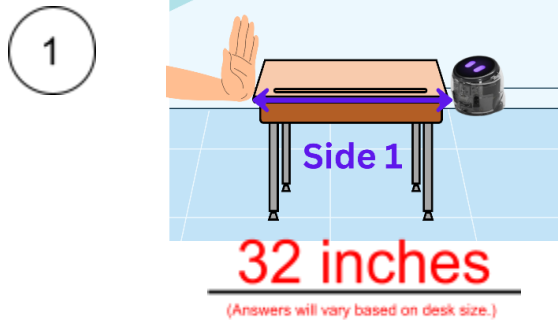
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Activity 2

Measure the side lengths of a provided desk and book. Then, calculate the area and perimeter of each.



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Exit Ticket

Please respond to the following prompts.

1. Question 1: How did you use the Ari to find the information you needed to calculate the areas and perimeters of rectangular shapes? **I used the Ari to measure the side lengths of each rectangular shape. The distance application gave me the length of each side which I then substituted into the area and perimeter formulas.**
2. Question 2: Why was it useful to have the Ari when completing this measurement activity? **The Ari and its distance application is a useful tool because it measured each side for me! I didn't need to use a ruler to measure the side lengths of the rectangles.**