

Perimeter and Area

WebQuest Description: For this webquest students will learn the difference between finding perimeter and area of a square or rectangle. Students will complete the activities in order to find perimeter and area of several places, objects, or areas.

Grade Level: 3-5

Curriculum: Math

Keywords: Perimeter, Area, Geometry, square, rectangle

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WebQuest URL: <http://zunal.com/webquest.php?w=187492>

Introduction

Thank you for joining our webquest. We will be taking a journey that seeks to explore the differences between finding area and perimeter.

Tasks

Take time to read the tasks that you will need to complete for this webquest. 1. Students will need to find objects that are rectangle or square in shape and explain the difference in finding their area or perimeter. 2. Students will need to show how to pull apart the sides of a rectangle and add them together in a long line to show the distance around the outside of this shape. 3. Students will have to create a rectangle and how the formula length times width shows the array hidden on the inside. 4. Use this to show how length time width works to find the area. Students will practice finding area and perimeter.

Process

1. First use the website to review the different formulas of perimeter and area. 2. With your designated group for this webquest, find objects around the school that are rectangular and would be useful to know the perimeter of. Draw these items and write coordinates on the drawings. Show how each can be broken apart in a straight line to show a length of the entire distance around. Use the drawings portion of your google drive account to save each demonstration in. 3. With your group please find several rectangles online that have their dimensions written on them. Bookmark one of these rectangle to demonstrate to the class. Be prepared to draw in array to show the use of length times width. Also use the drawing section of your google drive account to submit and show to the class.

Evaluation

Students will be evaluated by the quality of drawings and measurements in their google drawings area.

Category and Score	Beginning	Emerging	Mastery	Exemplary	Score
Finding Perimeter	Shows a beginning level of understanding of getting the perimeter of a rectangle	Shows an emerging level of understanding of finding the perimeter of a rectangle	Shows a mastery level of understanding of finding the perimeter of a rectangle	Shows an exemplary level of understanding that is above and beyond what is expected	4
Finding Area	Shows a beginning level of understanding of finding the area of a rectangle	Shows an emerging level of understanding of figuring the area of a rectangle	Shows a mastery level of understanding of figuring the area	Shows an exemplary level of understanding of finding area that is above and beyond	4
				Total Score	8

Conclusion

Great job working through today's webquest, students. I appreciate your willingness to try something new and to work through the problems and videos presented today. Remember the activity we did in class to find the area of our classroom floor, and

that we learned it was somewhat like a hidden array and we needed to figure out the dimensions and multiply, just like with an array. For perimeter, imagine pulling apart all the sides of your rectangle and putting them in one straight line and measuring.

Teacher Page

This webquest is about establishing the difference between finding the perimeter and area of a rectangle. It is useful for extra practice and to get involved with moving kids into a higher understanding of how the formulas for finding area and perimeter were developed. This quest is for fourth and fifth graders.

Standards

Students will identify different quadrilaterals

Students will recognize the difference between area and perimeter.

Credits

Thanks to Zunal WebQuest Pro for the templates and help for this webquest.

Other