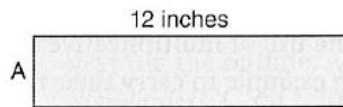


SS5.1

The perimeter of the rectangle below is 32. What is the length of the side marked A?



An interesting approach to alleviating the confusion between area and perimeter is to contrast the two ideas as in the next activities.

Activity 16.11 FIXED PERIMETERS

Give students a loop of non-stretching string that is 24 centimeters in circumference (fold the string in half and at 12 cm tie a knot) and 1-cm grid paper, or just use the grid paper alone. The task is to decide what different-sized rectangles can be made with a perimeter of 24 cm. Each different rectangle can be recorded on the grid paper with the area noted inside the figure (e.g., area = 20 cm²).

From Van de Walle et. al. (2014). *Teaching Student-Centered Mathematics Grades: Developmentally Appropriate Instruction for Grades 3 – 5 (2nd Ed.)*. Toronto: Pearson Education, Inc. (p. 328).