



Family Letter for Unit 6

Dear Family,

During the next few weeks, our math class will be identifying plane and solid figures, as well as finding perimeter, area, and volume.

As we learn how to use formulas to find the perimeter and area of rectangles, you may wish to use this sample as a guide.

Vocabulary

radius A line segment that connects the center of a circle to any point on a circle.

diameter of a circle A line segment that connects two points on the circle and passes through the center.

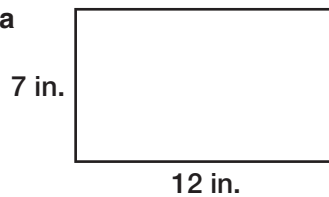
scalene triangle A triangle with all sides of different lengths.

acute triangle A triangle in which each of the three angles is acute.

obtuse triangle A triangle that has one obtuse angle.

Finding Perimeter and Area

Follow these steps to find the perimeter and area of this rectangle.



- Perimeter is the sum of the lengths of the sides of a figure. To find the perimeter of a rectangle, you can use either of these formulas.

(P = perimeter, l = length, w = width)

$$P = l + w + l + w$$

$$P = 12 \text{ in.} + 7 \text{ in.} + 12 \text{ in.} + 7 \text{ in.}$$

$$P = 38 \text{ in.}$$

$$P = (2 \times l) + (2 \times w)$$

$$P = (2 \times 12 \text{ in.}) + (2 \times 7 \text{ in.})$$

$$P = 24 \text{ in.} + 14 \text{ in.}$$

$$P = 38 \text{ in.}$$

The perimeter of the rectangle is 38 in.

- Area is the number of square units inside a figure. To find the area of a rectangle, you can use this formula.

(A = area, l = length, w = width)

$$A = l \times w$$

$$A = 12 \text{ in.} \times 7 \text{ in.}$$

$$A = 84 \text{ in.}^2$$

The area of the rectangle is 84 in.²

Learning about geometry will help students understand the geometric concepts they see in the world around them.

Sincerely,

Your Child's Teacher



Technology

Check out *Education Place* at eduplace.com/kids/mw/ for e•Glossary, e•Word Games, test prep practice, and more.