



Math Study Strategies

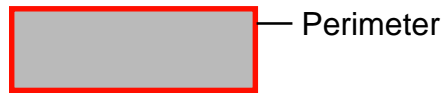
Perimeters

The **perimeter** of a figure is the distance around the figure. It is measured in unit of length (ex. in, ft, yd, mi, km, m, cm, mm, etc.) The following formulas are used:

Perimeter for a rectangle

$$P = 2L + 2W$$

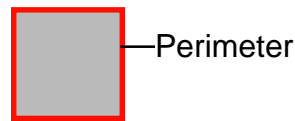
(L= length W= width)



Perimeter of a square

$$P = 4S$$

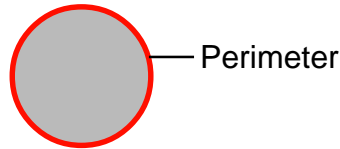
(S= side)



Circumference for a circle

$$C = 2\pi r \text{ or } C = \pi d$$

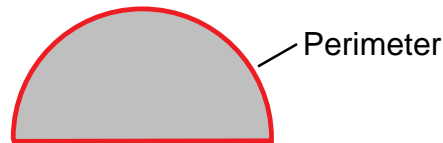
(r= radius d= diameter)



Circumference for a half circle

$$C = \pi r \text{ or } C = (\pi \times D) \div 2$$

(r= radius d= diameter)



Note: On a circle, the **perimeter** is called **circumference**

Key words for **perimeter** in a word problem include

- | | |
|-----------------------------|---------------|
| distance around | circumference |
| amount of fence required | boundary |
| total length of the sides | periphery |
| total distance of the sides | border |
| sum of the sides | edge |
| outline | |