

Name: _____

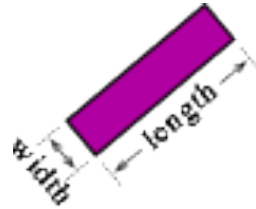
Test Date: _____

Measurement (length, area, and perimeter) Study Guide

Vocabulary

length: the measure of an object from the longest end to end (How long is it?)

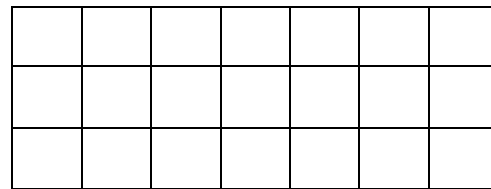
width: the measure of an object from the shortest side to side (How wide is it?)



height: the measure of an object from top to bottom (How tall is it?)

area: the amount of space an object covers

To find area, multiply 2 sides (length x width), or count the **square units** if they are shown.

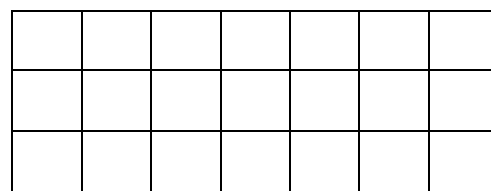


7 in.

area = 21 square inches

perimeter: the distance around the outside of an object

To find perimeter, add the measurements for all sides of the object, or count the units around the outside of the object.



7 in.

perimeter = 20 in.

Units of Measure for Length, Width, and Height

CUSTOMARY UNITS (USA)

inches, feet, yards

12 inches = 1 foot

3 feet = 1 yard

METRIC SYSTEM

centimeters, meters, kilometers

100 centimeters = 1 meter

1,000 meters = 1 kilometer

How do you choose which unit to use?

- Use inches when the object is smaller than or close to 1 foot
 - length of a pencil
 - width of a book
- Use centimeters when the object is smaller than or close to 1 meter
 - width of your desk
 - height of your chair
- Use feet when the object measures more than 1 foot, but less than 1 yard
 - height of your bicycle
 - width of a bookshelf
- Use meters or yards when the object measures more than or about the same as 1 meter or 1 yard
 - length of a school bus
 - height of a door

***When measuring a small object, use a small unit of measure/tool. When measuring a large object, use a larger unit of measure/tool.**