

Altitude

**height above sea level or
the Earth's surface**

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G5 U 9
L 6

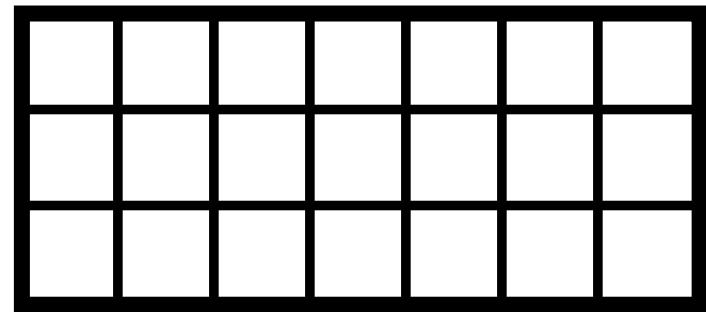


Cruising altitude is 30,000 feet.

Area
**surface inside closed
boundaries**
measured in squares

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G5 U 9
L 4

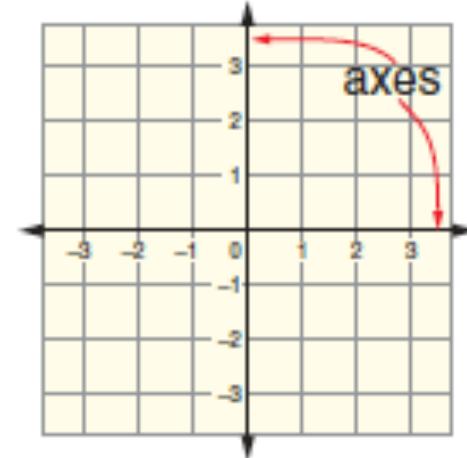


Area is 21 squares

Axis plural **Axes**

2 intersecting number
lines used to form a
coordinate grid

G5 U 9
L 1



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Base *and* **Length** *of a Rectangle*

Pick a side that the rectangle
appears to sit on and call it the
BASE.

G5 U 9
L 4; 6

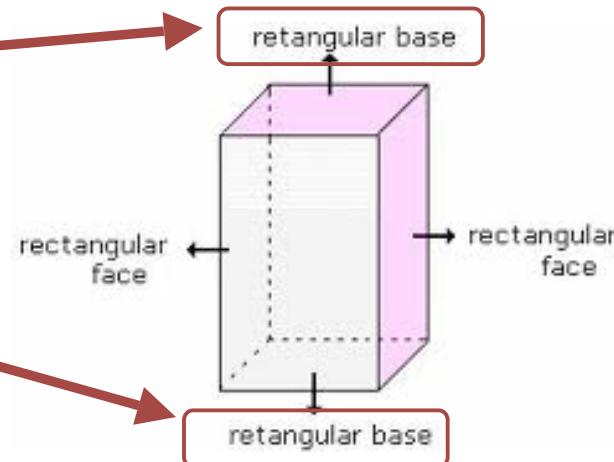
base or length

The measurement of the **base** is the **length** of the rectangle.

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G5 U 9
L 8

Base *of a* Rectangular Prism



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G5 U 9
L 10

Capacity

the amount a container can hold

gallons pints

liters milliliters

cups

kiloliters

liquid ounces

deciliters

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Volume

the amount a container can hold **measured in cubes**

cubic inches *or* in³
cubic feet *or* ft³

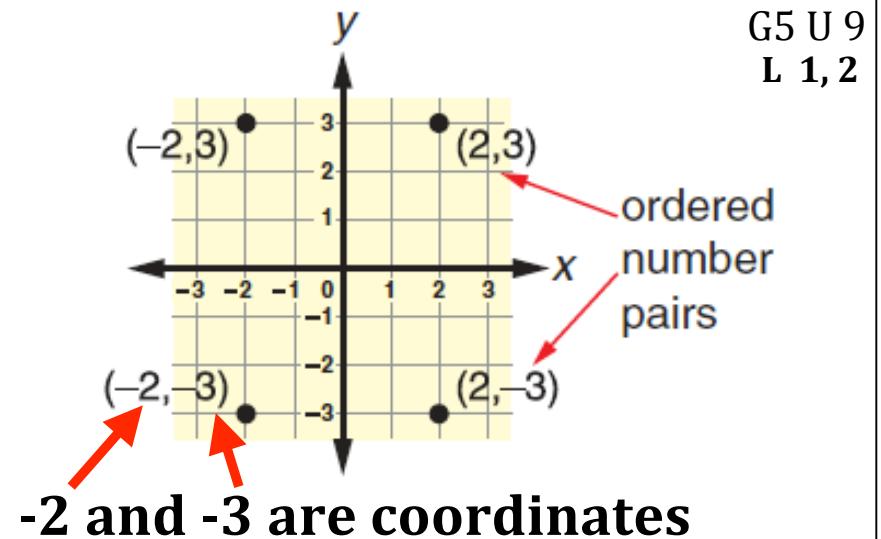
cubic centimeters *or* cm³
cubic meters *or* m³

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Coordinate

1 of 2 numbers in an ordered pair that locates a point on a coordinate grid

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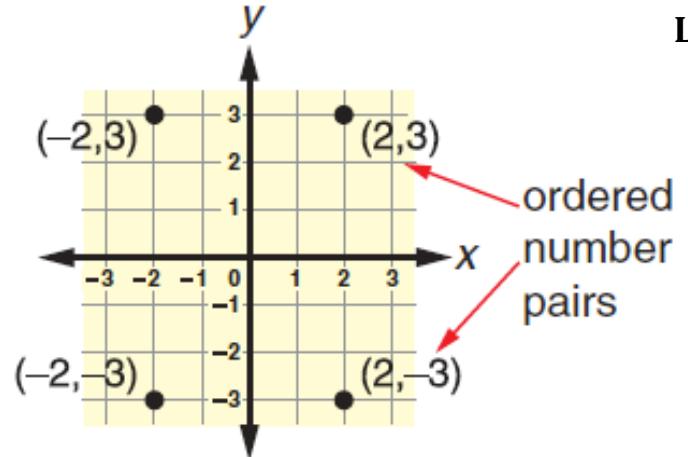


Coordinate Grid

G5 U 9
L 1

a device formed by 2 number lines intersecting at right angles used to find points on a plane with *ordered number pairs (coordinates)*

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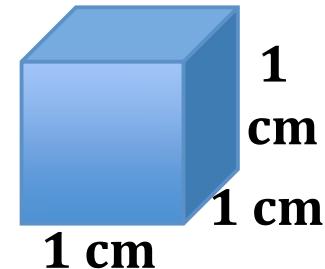


Cubic Centimeter

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L 10

Every edge on the cube is 1 centimeter long.

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Cubic Unit

any cube used to measure volume.

cubic inch; cubic feet; cubic yard
cubic centimeter; cubic meter

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world's largest aquarium G5 U 9
Atlanta, Georgia L 8



31,000 cubic meters (m^3)

Cup
US customary
measure equal to 8
ounces or half a pint

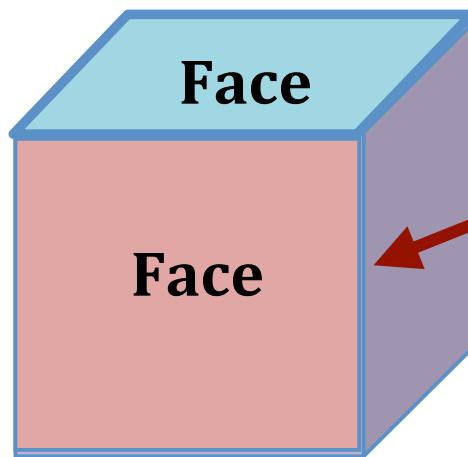
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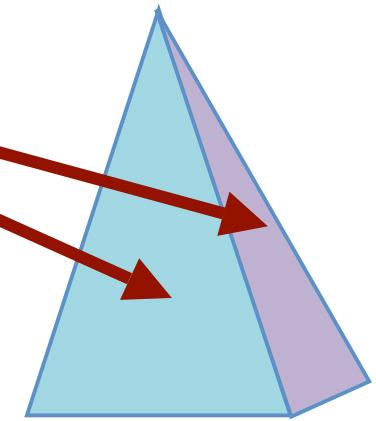
G5 U 9
L 10

milk cartons at school lunch

G5 U 9
L 8; 9



Face



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Formula

a general **rule** for
finding the value of
something

The formula for **perimeter**
of a rectangle is **$2l + 2w$** .

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L 4



$$(2 * 4) + (2 * 8) = 24 \text{ in}$$

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Height

perpendicular
distance from
base to top

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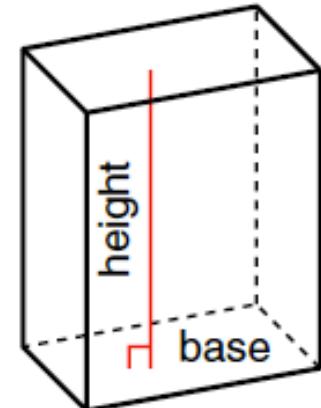


G5 U 9
L 4; 6

Height of Rectangular Prism

the measurement of
a perpendicular line
segment between
the two opposite
bases

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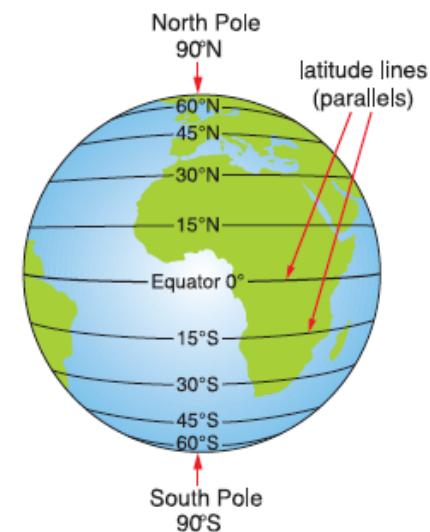


G5 U 9
L 8

Latitude

lines (parallels) that run east and west around the globe dividing the globe into 180 slices. 0° - 90° north & 0° - 90° south of the equator.

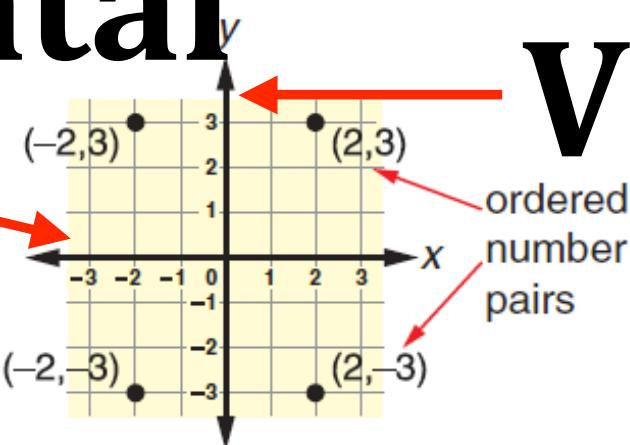
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G5 U 9
L 7

Horizontal Axis

Vertical Axis



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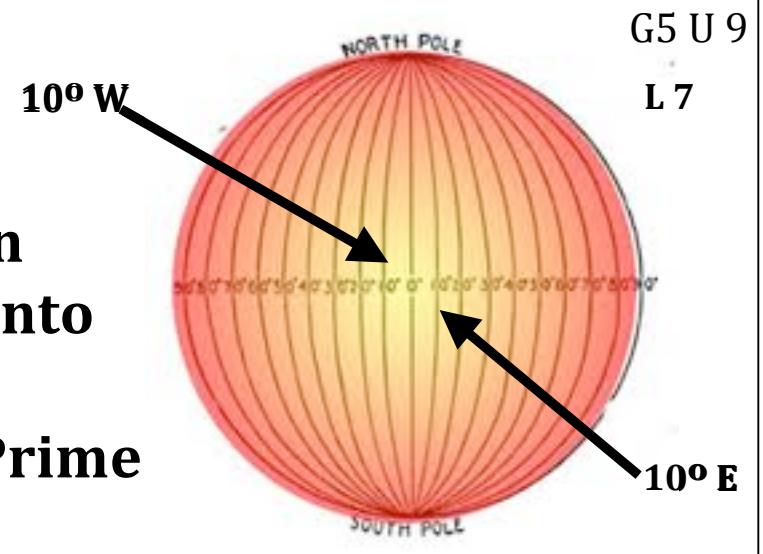
G5 U 9
L 1

Longitude

lines (meridians) on a globe that run between the poles, dividing the globe into 360 equal wedges

$0^\circ - 180^\circ$ east & $0^\circ - 180^\circ$ west of the Prime Meridian.

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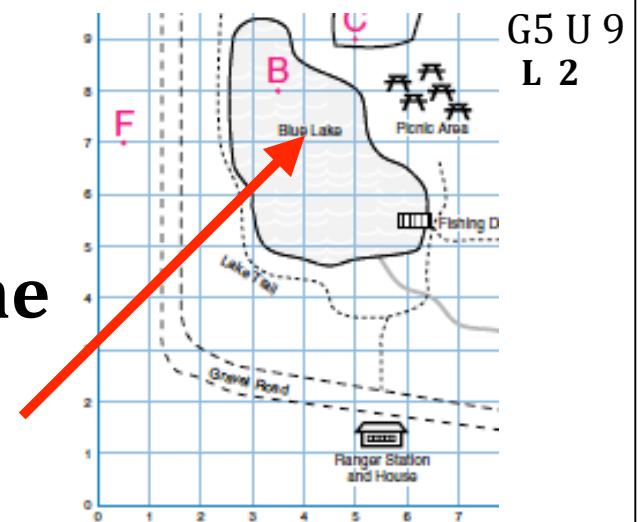


Ordered Number Pair

(4, 7)

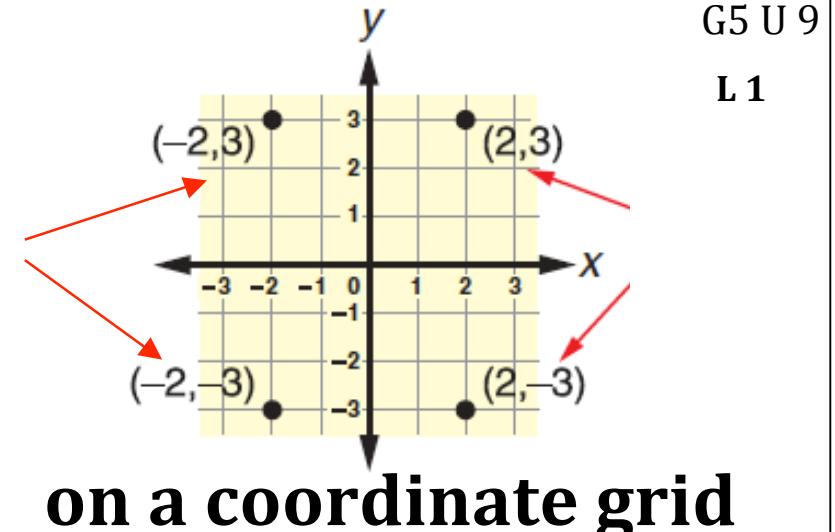
(4, 7) is in the middle of Blue Lake.

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Ordered Pair of Numbers

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Liter

a measurement of liquid capacity and volume in the metric system

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Milliliter (ml)

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L 10

Weight - 1 gram (g)
Volume- 1 cubic centimeter (cc)

One thousandth
of a liter.

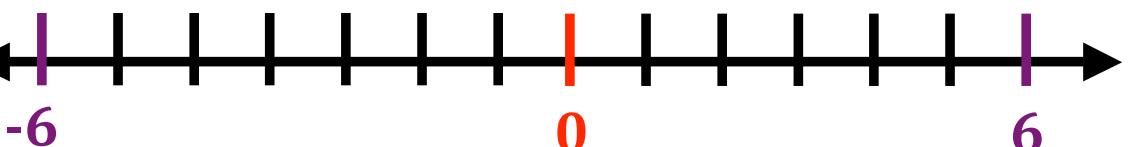


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Opposite of a Number

two numbers the **same**
distance from zero but **on**
opposite sides of zero.

-6 is the opposite of 6

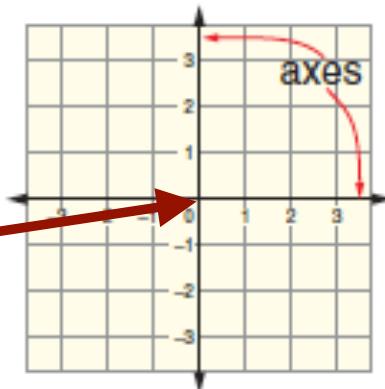
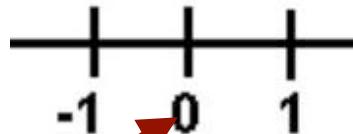


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G5 U 9
L 3

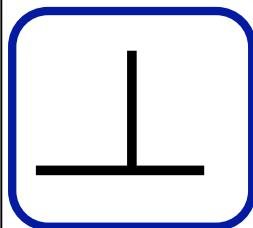
Origin

zero on a number
line or coordinate
grid

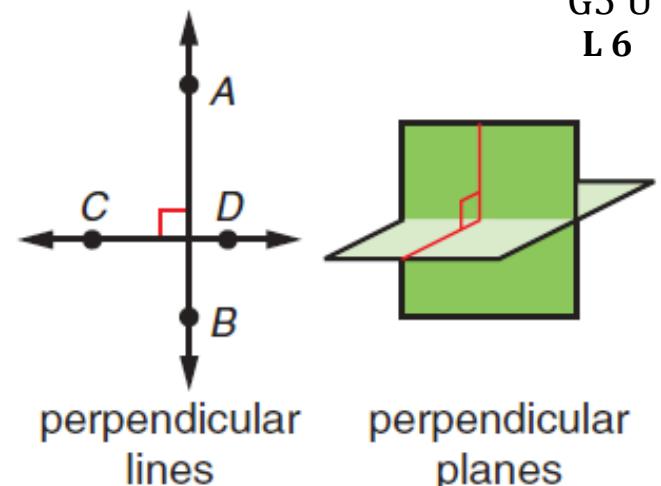


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Perpendicular



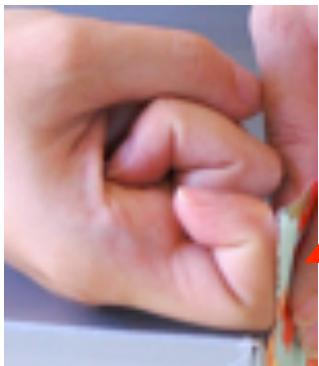
**crossing or meeting
at right angles**



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Personal References

G5 U 9
L 5



1 inch



1 cm

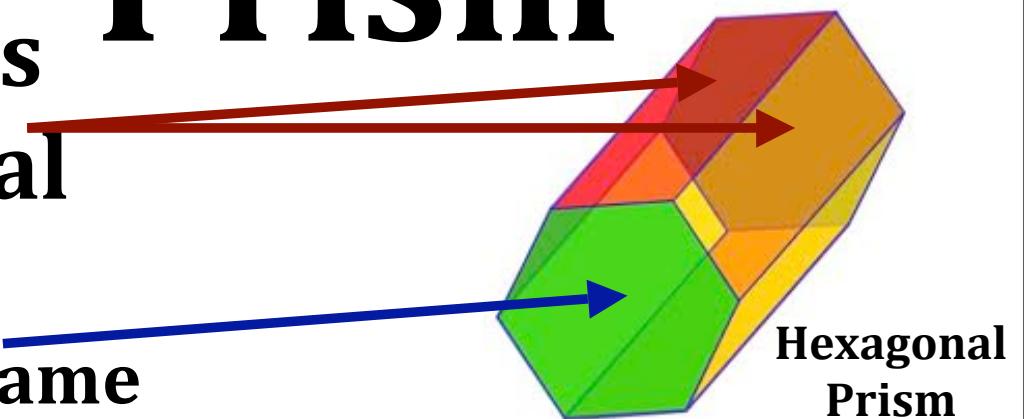
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- 3 dimensional
- rectangular faces
- opposite identical parallel bases

which give the prism its name

Prism

G5 U 9
L 9



Quart

4 cups *or*
2 pints *or*
 $\frac{1}{4}$ of a gallon



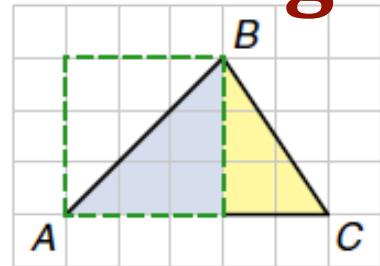
G5 U 9
L 10

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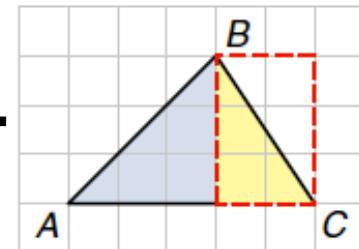
Rectangle Method

finding the area of a triangle

half the
green
rectangle

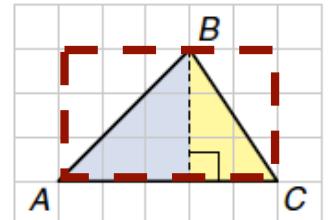


+



half the
red
rectangle

or



half this rectangle

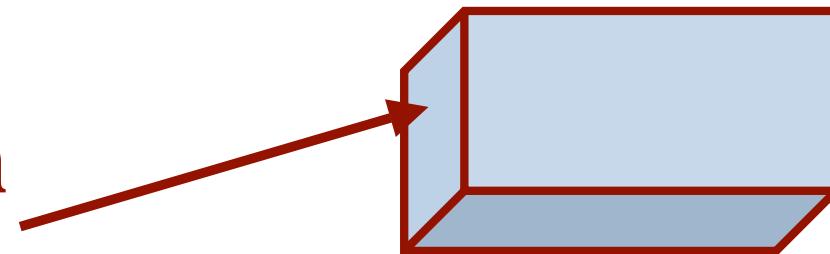
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G5 U 9
L 5

Rectangular Prism

a prism with
rectangular bases

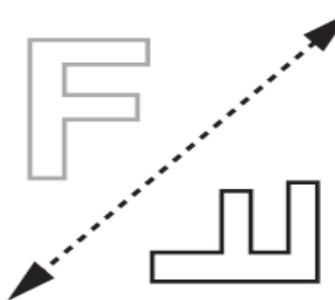
G5 U 9
L 8



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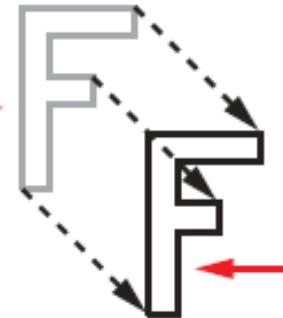
Reflection (flip)

G5 U 9
L 3



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Translation (slide)



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Square Units

**any square used
to measure area**

square inches; square feet, square miles or
square meters; square kilometers; square cm

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Alaska
656,425 sq. miles

Variable

A letter or symbol
that represents a
number

$$7 + n = 10$$

n represents 3

