(less than) <

being smaller than another

1 < 5

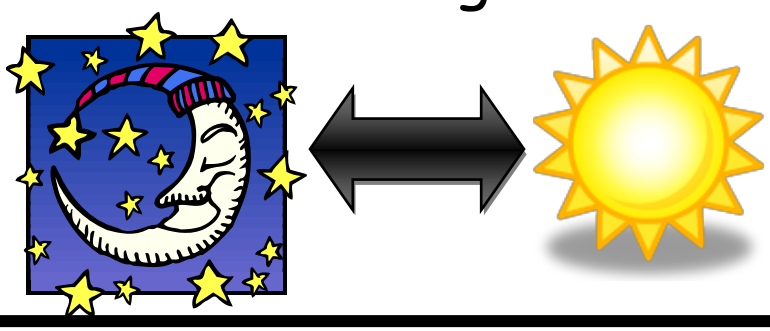
(greater than) >

being bigger than another

5 > 1

a.m.

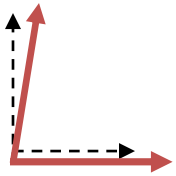
time between midnight and noon



acute angle

an angle that measures

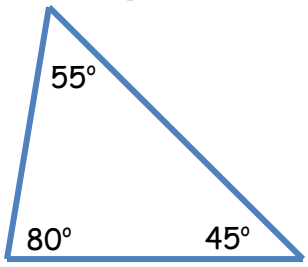
less than 90°



acute triangle

all angles of a triangle measure

less than 90°



addend

the numbers you add together
to find the sum

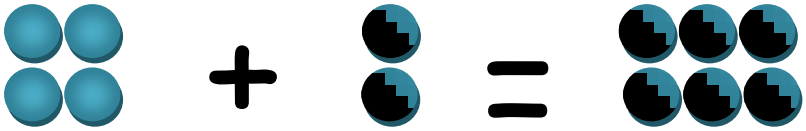
3 + 6 = 9

addends

addition

putting together and adding to

4+2=8

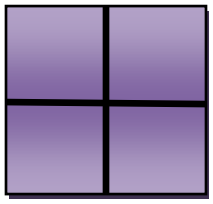


angle

the figure formed by two rays
sharing a common endpoint

area

the measurement of space inside a boundary

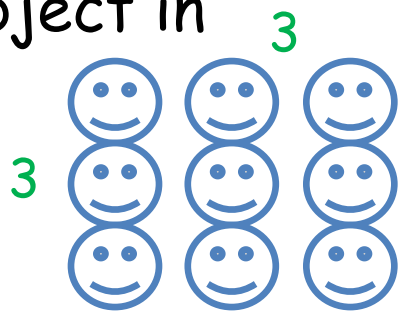


= 4 square units

array

a way of displaying object in columns and rows

$3 \times 3 = 9$



associative property

(of addition)

The sum is the same regardless of the grouping of the addends.

$(4 + 2) + 5 = 11$

$4 + (2 + 5) = 11$

associative property

(of multiplication)

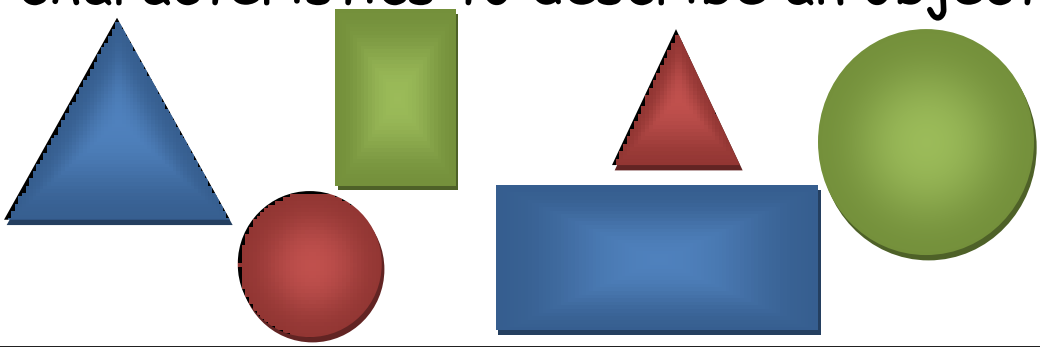
The product is the same regardless of the grouping of the factors.

$(4 \times 2) \times 5 = 40$

$4 \times (2 \times 5) = 40$

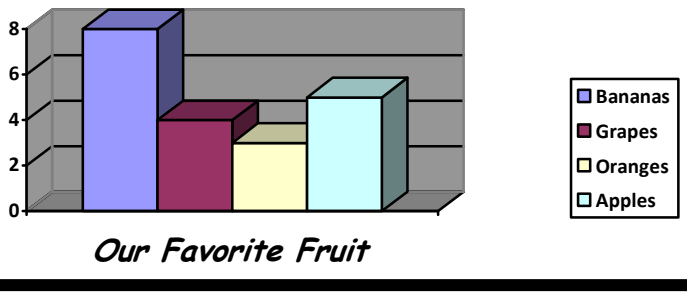
attribute

characteristics to describe an object



bar graph

a graph using bars to show data



Our Favorite Fruit

calendar

A calendar shows the days, weeks, and months in a year.

JANUARY 2010

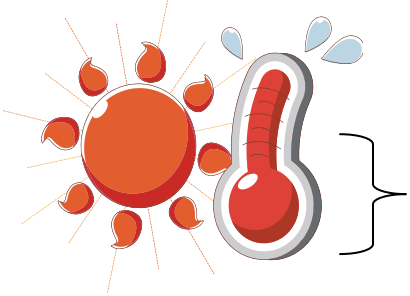
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

capacity

the amount a container will hold

Celsius

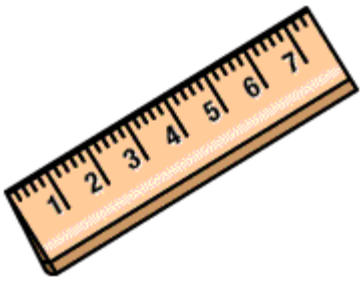
a metric unit for measuring temperature



Water boils at 100° Celsius.

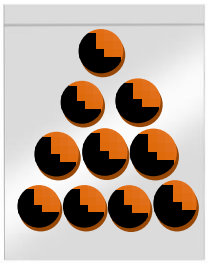
centimeter

a metric unit of length



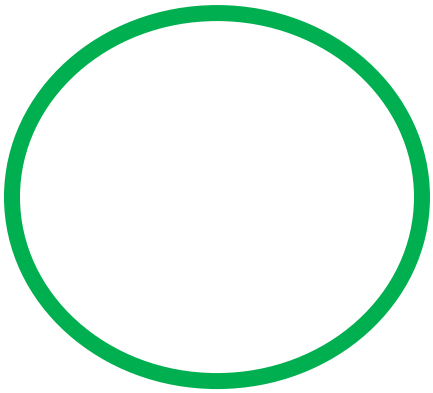
certain

something that is sure to happen



It is <u>certain</u> that an orange ball will be chosen from the bag.

circle



commutative property

(of addition)

Numbers can be added in any order and the sum will remain the same.

$4 + 3 = 7$

$3 + 4 = 7$

commutative property

(of multiplication)

Numbers can be multiplied in any order and the product will remain the same.

$2 \times 6 = 12$

$6 \times 2 = 12$

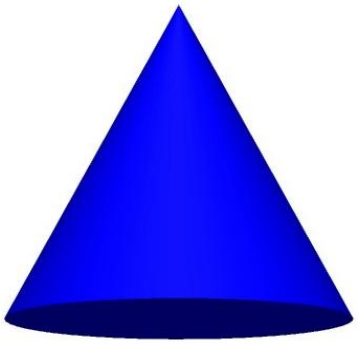
compare

to determine if a number is greater than or less than another number

$14 < 26$

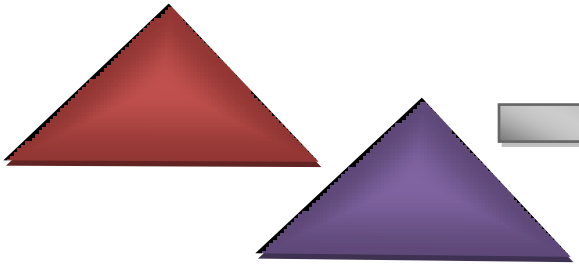
cone

a solid object that
has a circular base
and meets at a point



congruent

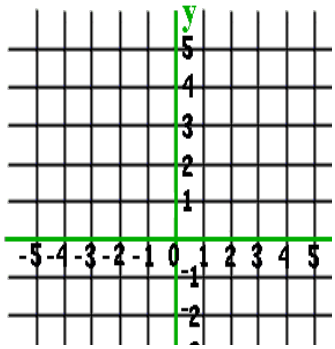
same size, same shape



These figures
are congruent.

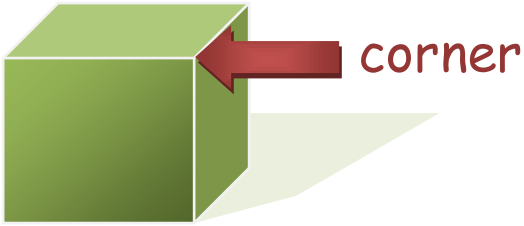
coordinate grid

a grid used to show ordered pairs



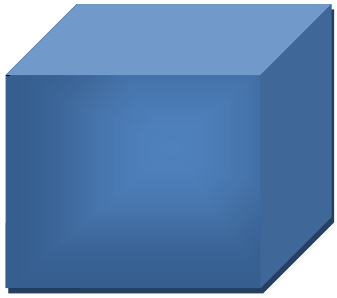
corner

a point where two lines meet



cube

a solid object having six congruent square faces



cubic unit

a cube with edges 1-unit long and used to measure volume

cup (c)

a customary unit of capacity

A cup is equal to 8oz.

cylinder

a solid figure with two congruent, circular ends

decimal point

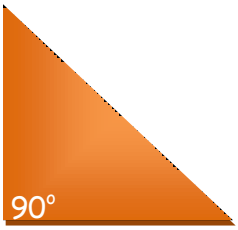
a dot used to separate ones from tenths in a number or dollars from cents

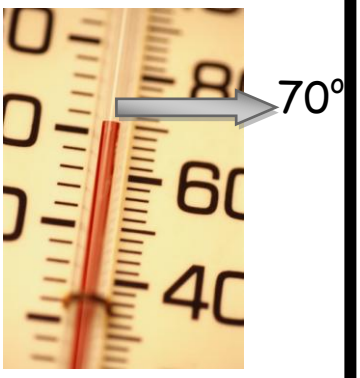
8.325 or $4.75

Decimal point

degrees

a unit of measure for angles and temperature





denominator

bottom number of a fraction; representing total number of parts

$\frac{2}{5}$

denominator

difference

the answer to a subtraction problem

57 - 26 = 31

digit

a numeral symbol used to write numbers

9 - has 1 digit
47 - has 2 digits
153 - has 3 digits
2086 - has 4 digits

dime

a coin worth 10 cents

distributive property

a way to break down problems and multiply quicker

6 x 27

(6 x 20) + (6 x 7)

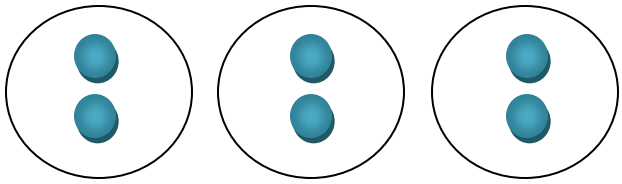
120 + 42

162

divide

to separate a number into equal sized groups

6 ÷ 3 = 2



dividend

the number to be divided

6 ÷ 3 = 2

dividend

$$3\overline{)\,6}\;\rightarrow\;2$$

dividend

divisor

the number that is doing the dividing

$6 \div 3 = 2$

divisor

$$3\overline{)6}\quad 2$$

divisor

dollar sign

a symbol used to indicate money

$

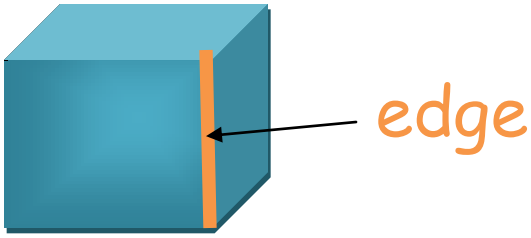
doubles

a math fact that has two addends that are the same

$6 + 6 = 12$

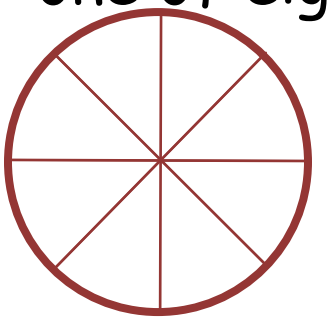
edge

a place where two flat surfaces meet



eighths

one of eight equal parts



The circle
is divided
into eighths.

equals

the same as

5 + 3 = 8

equation

a number sentence that uses =

6 + 3 = 9

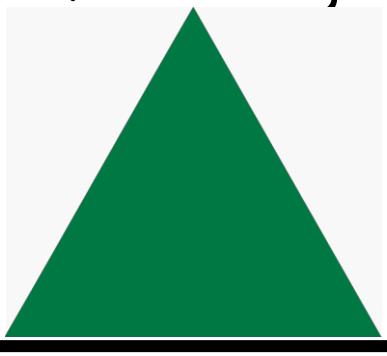
4 x 3 = 12

15 - 8 = 7

16 ÷ 4 = 4

equilateral triangle

all sides of a triangle are equal



estimate

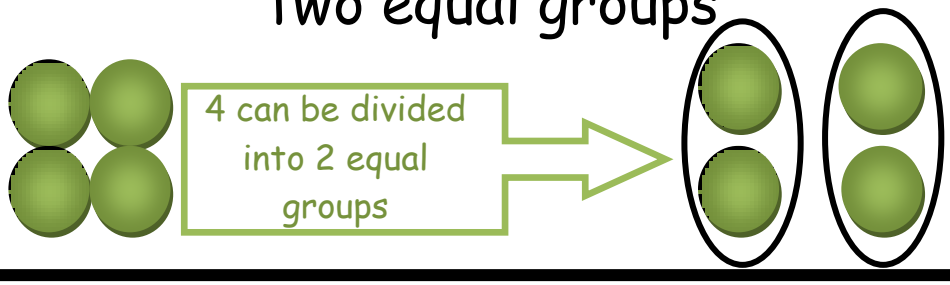
a close guess of the actual value

There are about 25 cookies left in the box.

even

0, 2, 4, 6, 8

a number that can be separated into two equal groups



expanded form

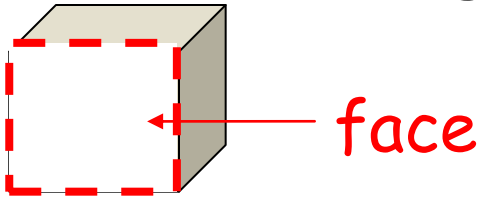
shows the place value of each digit

385 =

300 + 80 +5

face

the flat surface of a three dimensional figure



fact family

a set of related facts using the same three numbers through addition and subtraction

4 + 3 = 7

3 + 4 = 7

7 - 4 = 3

7 - 3 = 4

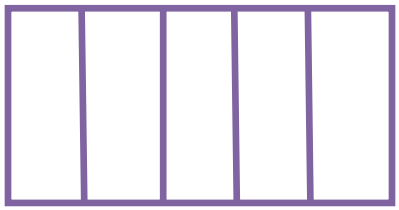
factors

numbers multiplied together to get another number

The factors of 12 → 1, 2, 3, 4, 6, 12

fifths

one of five equal parts



The shape has be divided into fifths.

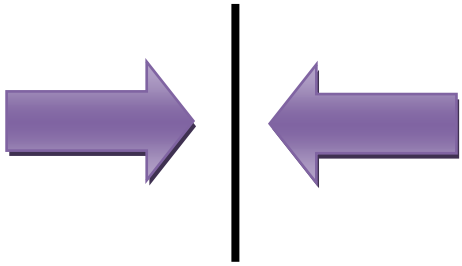
Fahrenheit

a metric unit for measuring temperature

Water freezes at 32° Fahrenheit.

flip

a mirror image of a shape



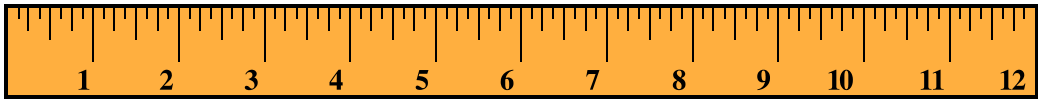
fewer

having a lesser amount

There are fewer blue stars.

foot

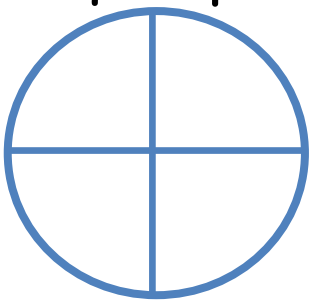
a foot is 12 inches



fourths

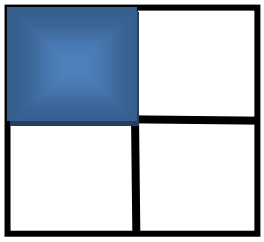
one of four equal parts

The circle is divided into fourths.



fraction

numbers that are not whole



$\frac{1}{4}$ is shaded

gallon

a unit of volume used for measuring liquids

Milk is measured by the gallon.

gram

a metric unit of mass

A medium sized paper clip weighs about a gram.

greatest

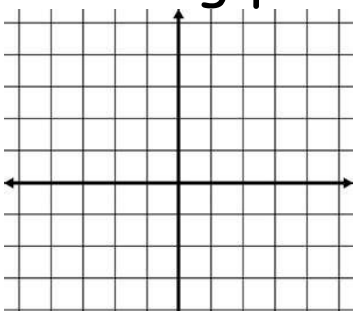
the largest number

9 15 27

The numbers are in order from least to greatest. 27 is the greatest number.

grid

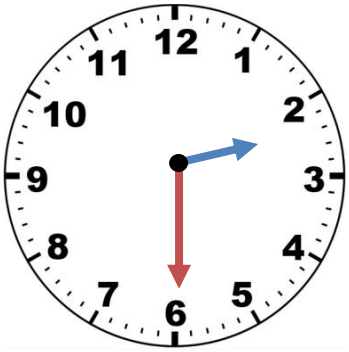
a device for locating points in a plane



half hour

a unit of time
equal to
30 minutes

half past



30 minutes
past the hour

half dollar

a coin that is worth 50¢

halves

a whole that has been separated into 2 equal parts

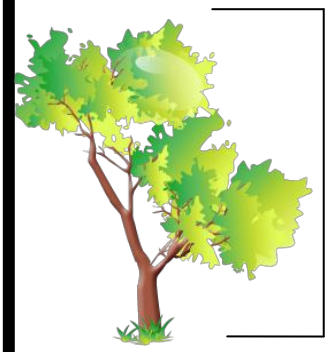
The tomato has been cut into halves.

heavier

having a greater weight than another object

A rock is heavier than a feather.

height

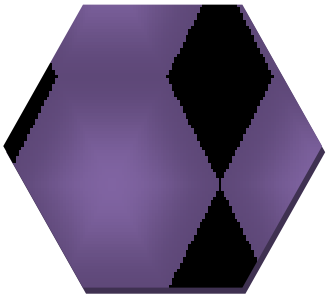


the vertical distance from the top of an object to its base

The height of the tree is 60 feet.

hexagon

a figure with six sides

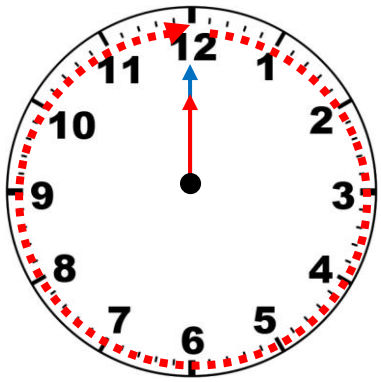


horizontal

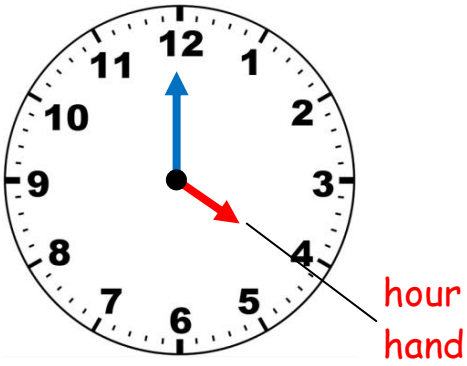
a line that runs left to right

hour

a unit of time
equal to 60 minutes



hour hand



small hand on
a clock that
tells the hours

hundreds

the third place value from the right

253

two groups of 100

hundredth

the 2nd digit to the right of a decimal point

23.75 5 is in the hundredths' place

Identity Property

(of multiplication)

a number does not change when multiplied by 1

6 x 1 = 6

400 x 1 = 400

25 x 1 = 25

278 x 1 = 278

Identity Property

(of addition)

the sum of any number and zero is that same number

14 + 0 = 14

5 + 0 = 5

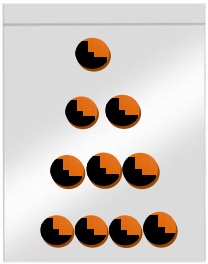
350 + 0 = 350

125 + 0 =125

impossible

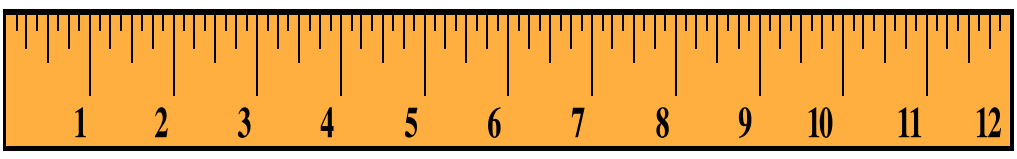
an event that cannot occur

It is impossible for a green ball to come out of the bag.



inch (in.)

a customary unit for measuring length



There are 12 inches in a foot.

inequality

a number sentence that uses the symbols < or >

$5 + 7 > 2 + 4$

input

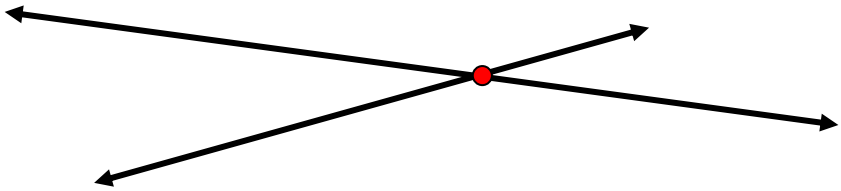
numbers that are chosen in a function

Input	Output
5	12
8	15
14	21
20	27
23	30

The input changes by 7.

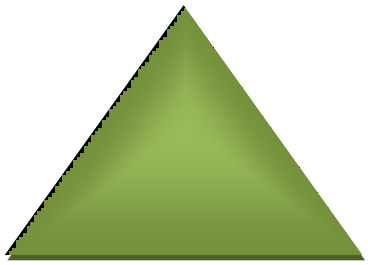
intersecting lines

lines that cross in only one point



isosceles triangle

a triangle with two equal sides



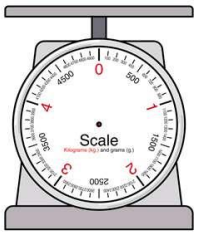
join

to put together

5 + 3 = 8

kilogram

the basic unit of mass



1 kilogram equals 1,000 grams

kilometer

unit of length

1 kilometer equals 1,000 meters

least

the smallest number

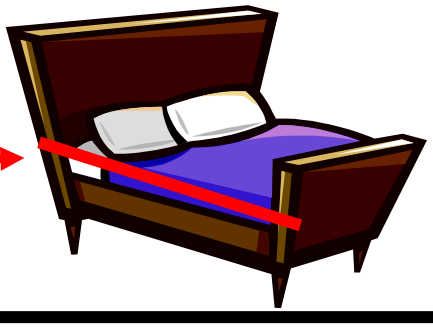
5 18 33

The numbers are arranged in order from least to greatest. 5 is the smallest number.

length

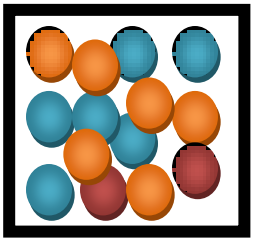
distance from end to end

The length of the bed 7 feet



less likely

and event that will probably not happen

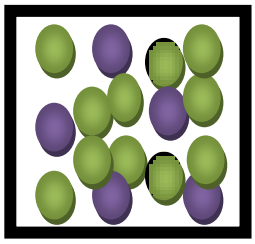


It is less likely that a red ball will be chosen from the box.

likely

an event that will probably happen

It is likely that a green ball will be chosen from the box.

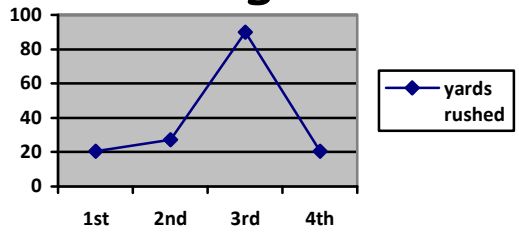


line

a straight path of points that is endless in both directions

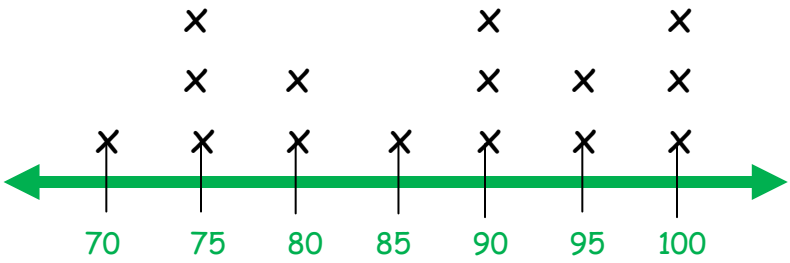
line graph

a graph that connects points to show how data changes over time



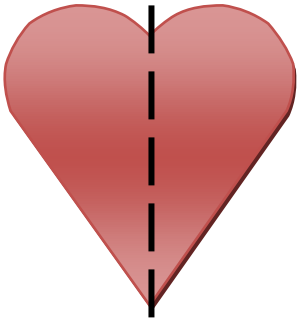
line plot

shows data on a line



line of symmetry

a line that divides a figure into two equal parts



line segment

a straight line that has endpoints

liter (L)

a metric unit measuring capacity

soda comes in
2-liter bottles

mass

the amount of matter in an object

mental math

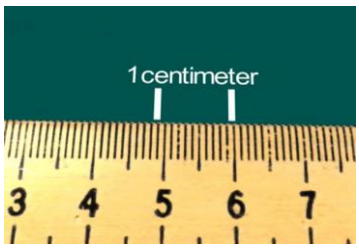
math you do in your head

27 + 3 = 30
30 + 40 =
70

27 + 43 = ?

meter (m)

a metric unit of length



There are 100 centimeters in 1 meter.

mile (mi)

a customary unit of length used for measuring distance

1 mile = 5,280 feet

minus

the symbol used for subtraction

6 - 4 = 2

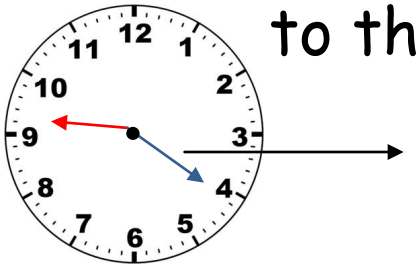
minute

a unit of time equal to 60 seconds

60 seconds =
1 minute

minute hand

large hand on a clock that points to the minutes



The minutes hand counts by 5's. It is 9:20.

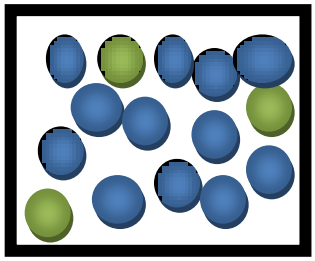
mixed number

a whole number plus a fraction

$$5\frac{2}{3}$$

more likely

event that will probably happen

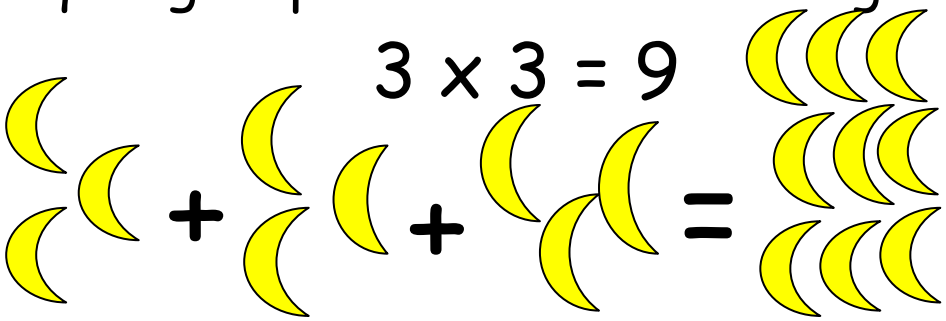


It is more likely that a blue ball will be chosen than a green ball.

multiply

equal groups that are added together

3 x 3 = 9



nickel

a coin worth 5¢

numerical expression

a combination of numbers and one or more operation symbols

25 + 15 - 4

(6 x 3) + (10 - 8)

number sentence

numbers that include operation symbols and an equal sign

4 x 3 = 12

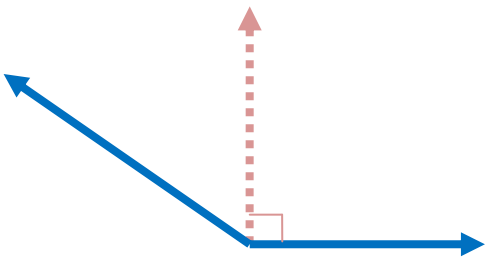
8 - 2= 6

5 + 9 = 14

21 ÷ 7 = 3

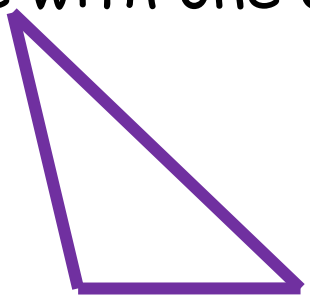
obtuse angle

measures more than 90°



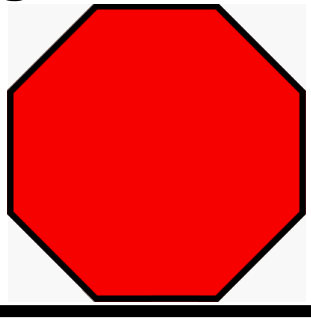
obtuse triangle

a triangle with one obtuse angle



octagon

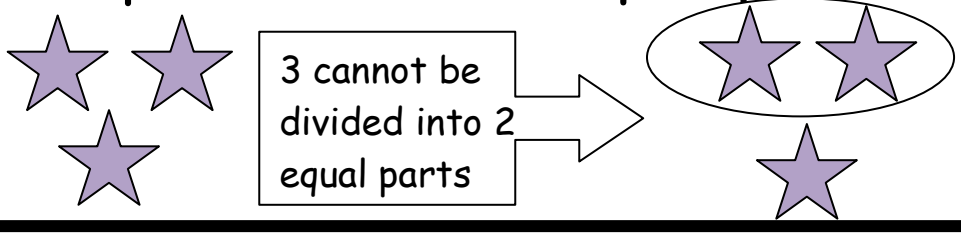
a polygon with 8 sides



odd

1, 3, 5, 7, 9

any number that can not be separated into 2 equal parts



ones

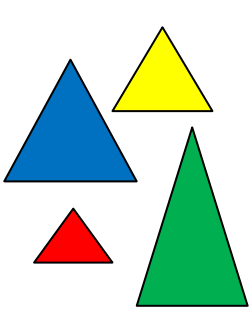
the first place value from the right

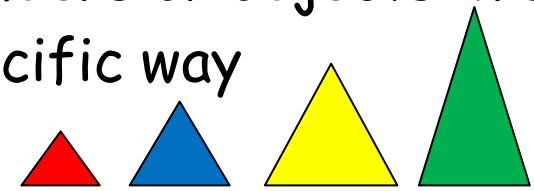
586

There are
6 ones.

order

to arrange numbers or objects in a specific way





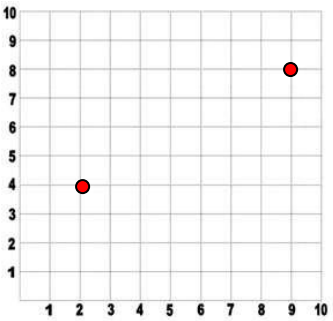
smallest to tallest

ordered pair

Two numbers used to locate a point on a coordinate plane

(2, 4), (9, 8)

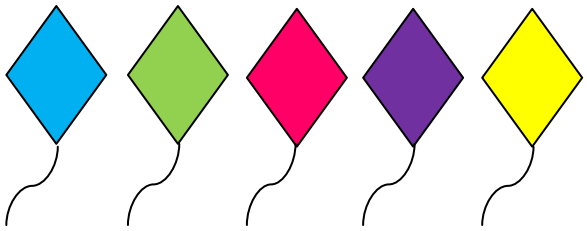
ordered pairs



ordinal number

1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th

tells the position of something

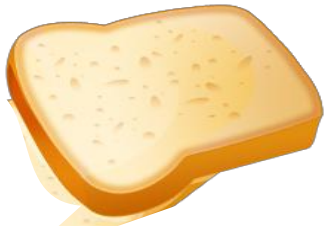


The pink kite is 3rd.

ounce (oz)

a unit of weight

A slice of bread weighs about 1 ounce.



outcome

a possible result

Mario shoot 12 times and makes 9 baskets.

$$\frac{9}{12} = \frac{3}{4} = 75\%$$

output

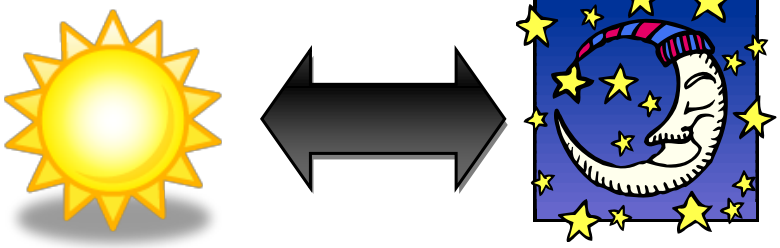
Input	Output
5	8
8	11
14	17
20	23
24	27

the resulting numbers in a function

The output is the result of adding 3 to the input.

p.m.

the time between noon and midnight

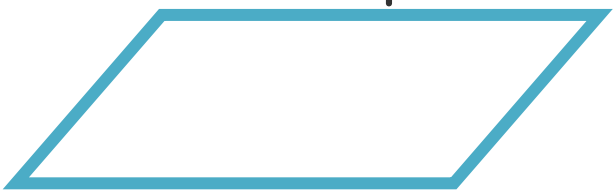


parallel lines

lines that never meet and stay the same distance apart

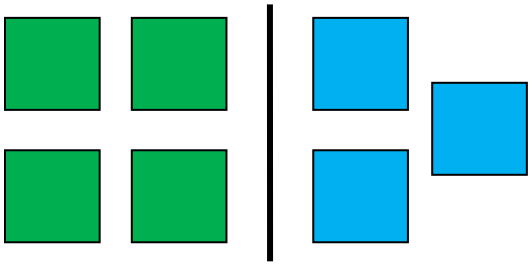
parallelogram

a quadrilateral in which opposite sides are parallel



part

a piece of the whole

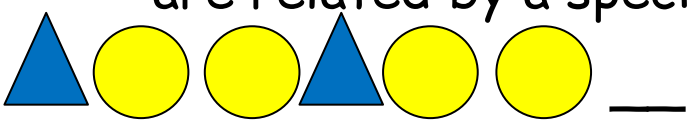


= 7

4 and 3 are parts of 7

pattern

a set of numbers or objects that are related by a specific rule



4, 8, 12, 16, 20, 24, __

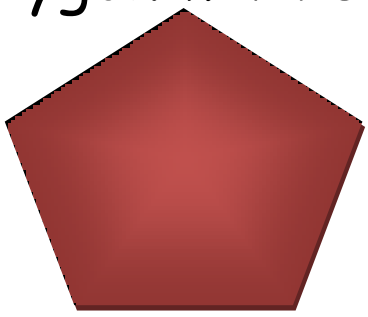
What comes next ?

penny

a coin that is worth 1¢

pentagon

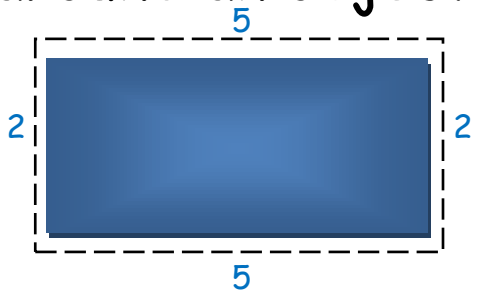
a polygon with 5 sides



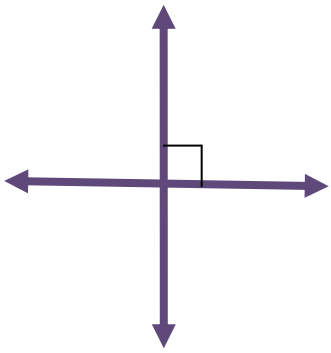
perimeter

the total distance around an object

The perimeter is
14 centimeters.



perpendicular



lines that intersect
and form right angles

pictograph

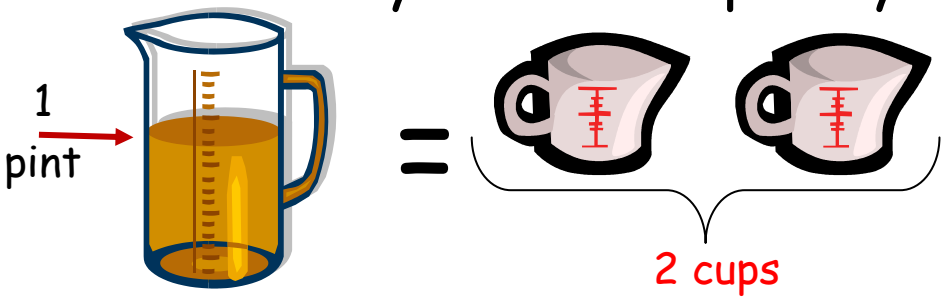
a graph using pictures of symbols

bananas	☺ ☺ ☺
apples	☺ ☺
grapes	☺ ☺ ☺ ☺ ☺ ☺

☺ stands for 2 students

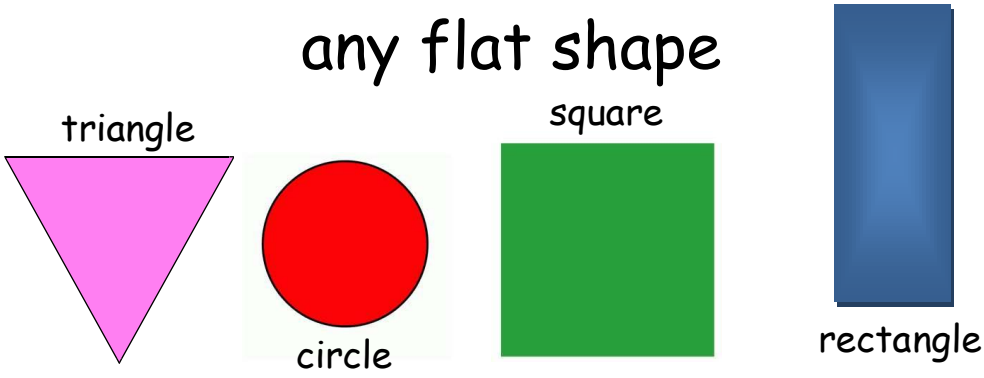
pint (pt)

a customary unit of capacity



plane shape

any flat shape

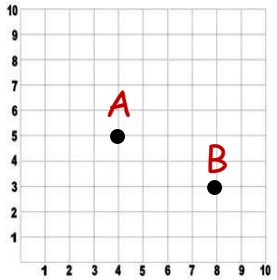


place value

value of a digit according to its location in a number

1,	4	3	6,	2	9	8
millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones

plot



to mark a point using an ordered pair

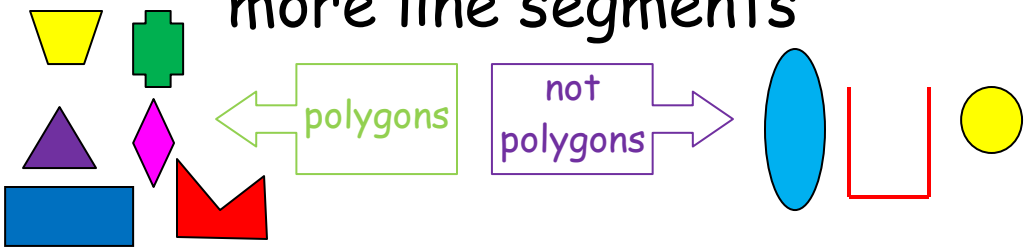
plus

the symbol used for addition

$6 + 4 = 10$

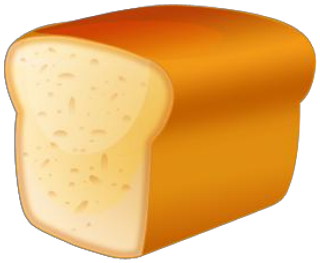
polygon

a closed plane figure with three or more line segments



pound (lb)

a customary unit of measuring weight



A loaf of bread weighs about 1 pound.

(1 pound = 16 ounces)

predict

to tell what happens next

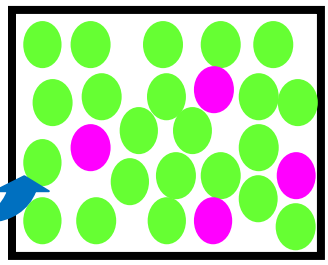
_ _ _

predict the next
the 3 shapes

probable

likely to happen or be true

It is probable that a green ball will be chosen first.



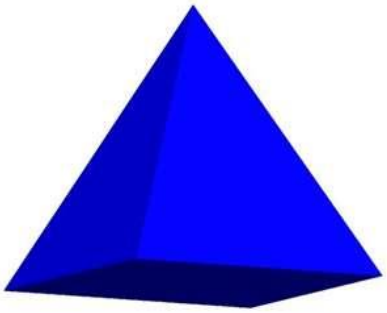
product

the answer to a multiplication problem

3 x 6 = 18

product

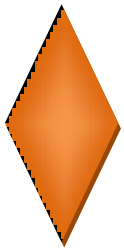
pyramid



a solid figure
with a polygon base
and triangular faces

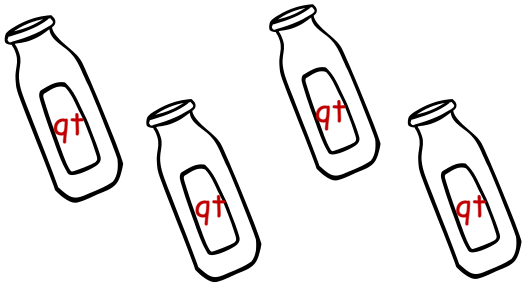
quadrilateral

a four sided polygon



quart (qt)

a customary unit of volume or capacity



=

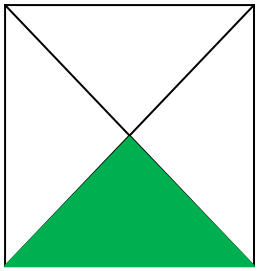
4 quarts = 1 gallon

quarter

a coin worth 25¢

quarter

one of four equal parts

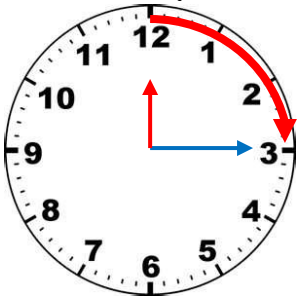


A quarter of the box has been shaded.

1 quarter = $\frac{1}{4}$

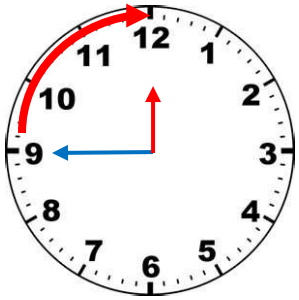
quarter past

15 minutes after the hour



quarter to

15 minutes before the hour



quotient

the answer to a division problem

$24 \div 4 = 6$

quotient

quotient

$$4\overline{)24}\quad 6$$

ray

a line that has one endpoint and extends endlessly in one direction

rectangle

a parallelogram with 4 right angles

rectangular prism

a solid figure which has 6 faces that are rectangles

reflection

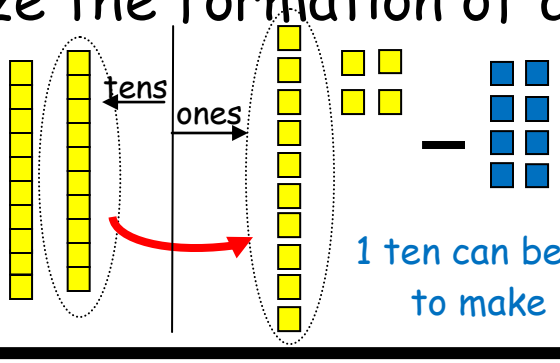
changing the position of a figure by picking it up and turning it over

(mirror image)

regroup

reorganize the formation of a group

$$\begin{array}{r} {}^{1}\cancel{2}\,{}^{14}4 \\ -\ 8 \\ \hline 16 \end{array}$$



1 ten can be regrouped to make 10 ones.

remainder

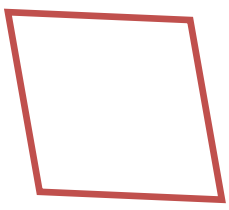
the amount left over after division

$$\begin{array}{r} 26\ \text{R.}2 \\ 5\overline{)132} \\ -10 \\ \hline 32 \\ -30 \\ \hline 2 \end{array}$$

$132 \div 5 =$ 26 R.2

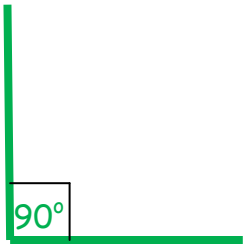
rhombus

a four-sided shape where all side have equal length



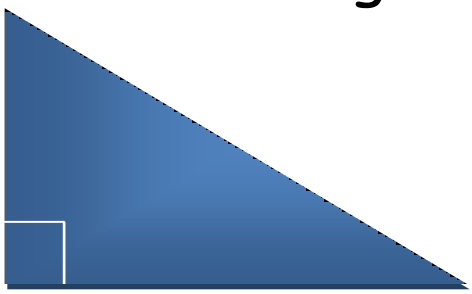
right angle

an angle which measures 90°



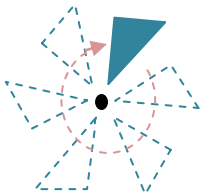
right triangle

a triangle with one right angle



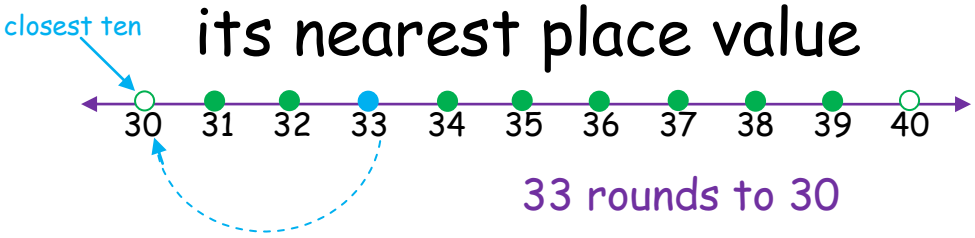
rotation

to turn a figure around a fixed point



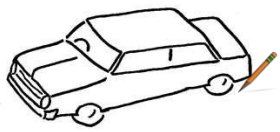
round

an approximation for a number to its nearest place value



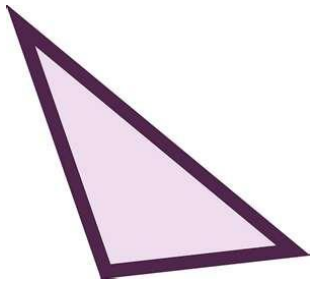
scale

the ratio of measurements in a drawing to the measurements of the real thing



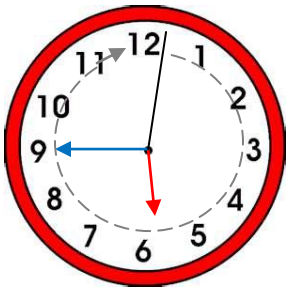
scalene triangle

all sides of a triangle are unequal



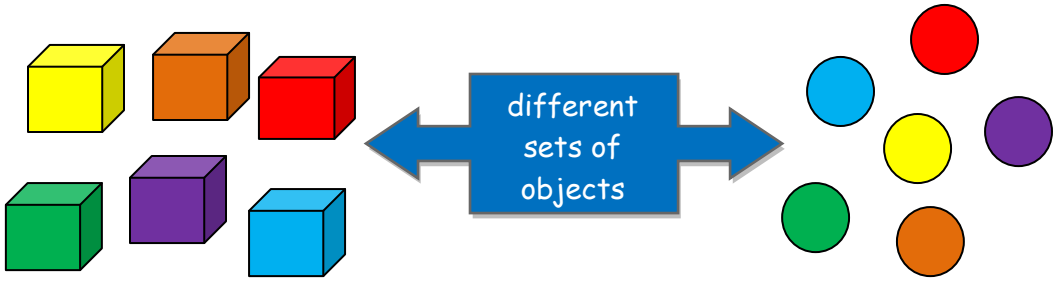
second

a unit of time; 60 seconds equals 1 minute



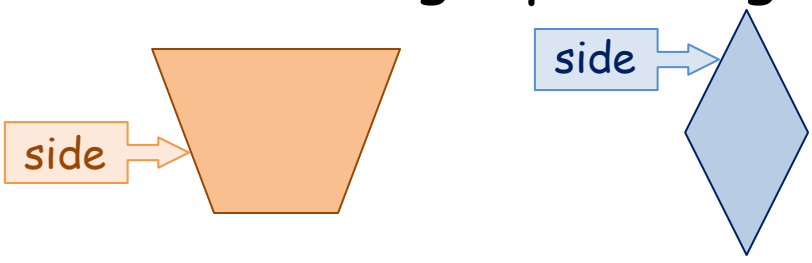
set

a collection of things



side

a line bordering a plane figure



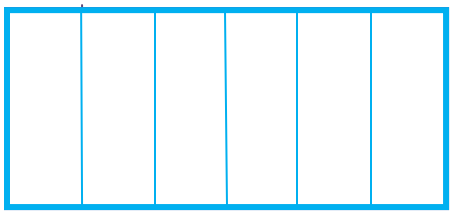
simplest form

a problem cannot be broken down any smaller

$$\frac{12}{36}\ \overset{(\div 4)}{=}\ \frac{3}{9}\ \overset{(\div 3)}{=}\ \frac{1}{3}$$ simplest form

sixths

one of six equal parts



The rectangle is divided into 6 equal groups.

skip counting

to count by a number other than 1

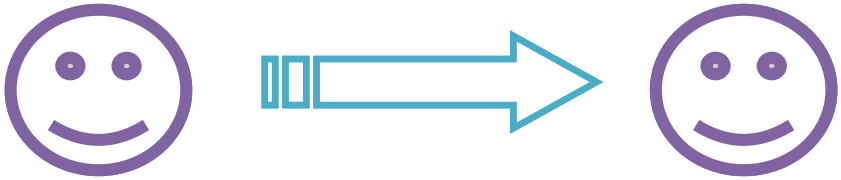
2, 4, 6, 8, 10, 12, 14...

3, 6, 9, 12, 15, 18, 21...

5, 10, 15, 20, 25, 30...

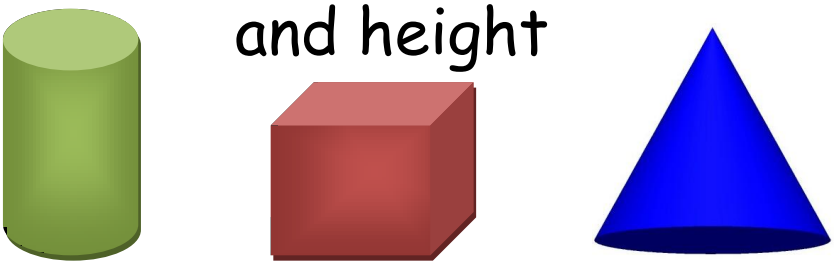
slide

the change in position of an object moving it up, down, or sideways



solid figure

a figure that has length, width, and height



sphere

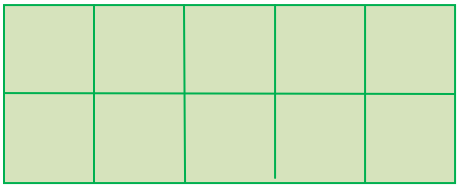
round solid figure

square

a quadrilateral with four right angles and all side the same length

square unit

used to measure area with sides 1 unit long



= 10 square units

= 1 square unit

standard form

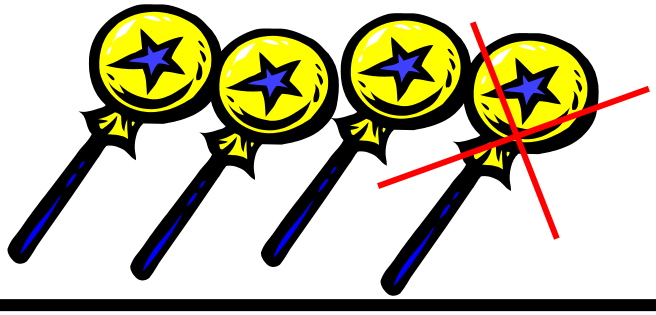
writing numbers using digits

379

is the standard form of three hundred seventy-nine

subtract

to take away from another



4 - 1 = 3

sum

the answer to an addition problem

4 + 3 = 7 → sum

survey

a collection of data by asking people the same questions and recording their answers

" Do you like pepperoni on your pizza?"

yes	𝍸 𝍸 𝍸 𝍸 III
no	𝍸 𝍸 𝍸 I

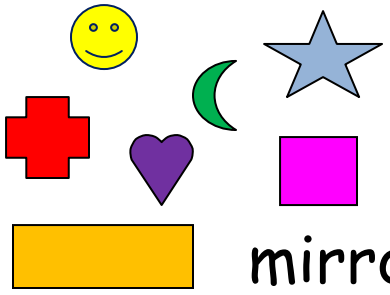
symbol

a character used to represent something

+ − × ÷ = >

symmetry

All these figures have symmetry.



a figure divided into two congruent parts, each is a mirror image of the other

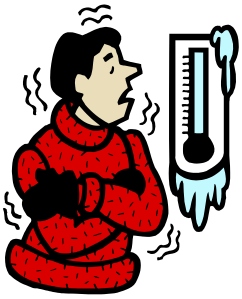
tally mark

a mark used to record data

𝍸 𝍸 |||| = 14

temperature

the measurement of heat or cold



tens

the second place value from the right

49

four groups of tens

tenths

the place value to right of the decimal point

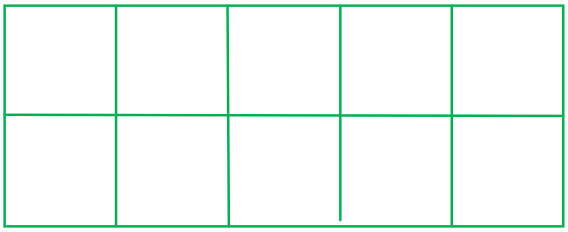
23.75

7 is in the tenths' place

tenths

one of ten equal parts

The rectangle is divided into 10 equal parts.



thermometer

a tool used to measure temperature

thirds

one of three equal parts

The circle has been divided into thirds.

thousand

the fourth place value from the right

6,857

6 groups of 1,000

times (x)

another word used for multiplying

6 x 7 = 42

6 times 7 = 42

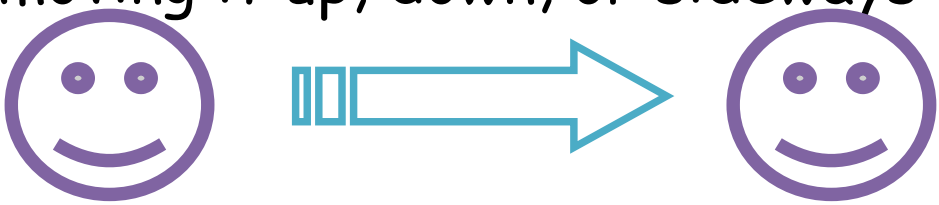
ton (T)

a customary unit of weight

1 ton = 2,000 pounds

translation

the change in position of an object moving it up, down, or sideways

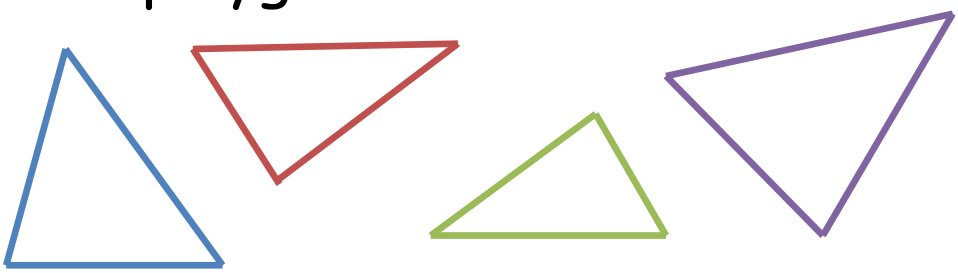


trapezoid

a quadrilateral having exactly one pair of parallel sides

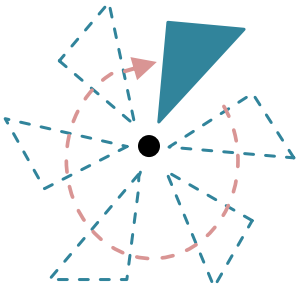
triangle

a polygon with three sides



turn

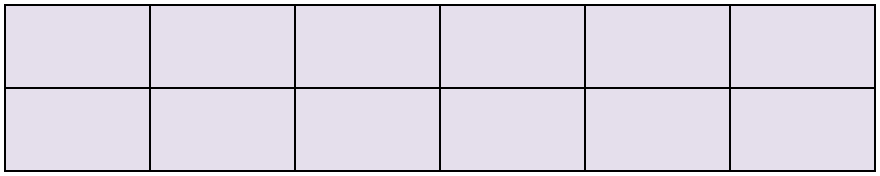
to turn a figure around a fixed point



twelfth

one of twelve equal parts

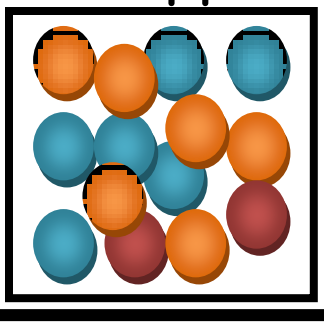
The figure has been divided into 12 equal parts.



unlikely

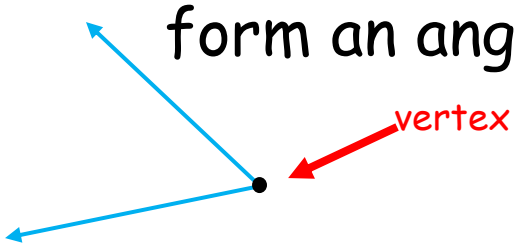
an event that may not happen

It is unlikely that a red ball will be chosen from the box.



vertex

the point where two rays meet to form an angle

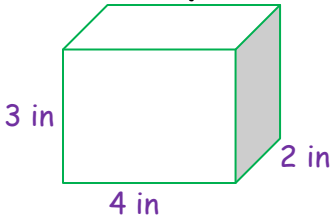


vertical

a line that runs up and down

volume

the measure of the amount of space inside of a solid figure

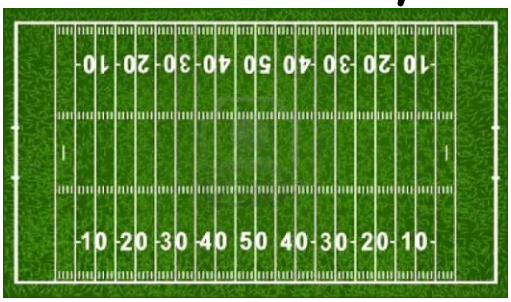


weight

how heavy something is

yard

a customary unit of length



There are 100 yards on a football field.

1 yard = 3 feet

zero property

the product of any number and zero is zero

$8 \times 0 = 0$ $17 \times 0 = 0$

$32 \times 0 = 0$