English 3rd Grade M-Z
Vocabulary Cards and Word Walls

Revised: May 31, 2013

Important Notes for Teachers:

- The vocabulary cards in this file match the Common Core, the math curriculum adopted by the Utah State Board of Education, August 2010.
- The cards are arranged alphabetically.
- Each card has three sections.
    - Section 1 is only the word. This is to be used as a visual aid in spelling and pronunciation. It is also used when students are writing their own "kid-friendly" definition and drawing their own graphic.
    - Section 2 has the word and a graphic. This graphic is available to be used as a model by the teacher.
    - Section 3 has the word, a graphic, and a definition. This is to be used for the Word Wall in the classroom. For more information on using a Word Wall for Daily Review – see "Vocabulary – Word Wall Ideas" on this website.
- These cards are designed to help all students with math content vocabulary, including ELL, Gifted and Talented, Special Education, and Regular Education students.

For possible additions or corrections to the vocabulary cards, please contact the Granite School District Math Department at 385-646-4239.

Bibliography of Definition Sources:

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Illustrated Dictionary of Math, Usborne Publishing Ltd., 2003. ISBN: 0-7945-0662-3
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mass

mass

mass

The amount of matter in an object. Usually measured by comparing with an object of known mass. While gravity influences weight, it does not affect mass.

meter (m)

meter (m)

A baseball bat is *about* 1 meter long.

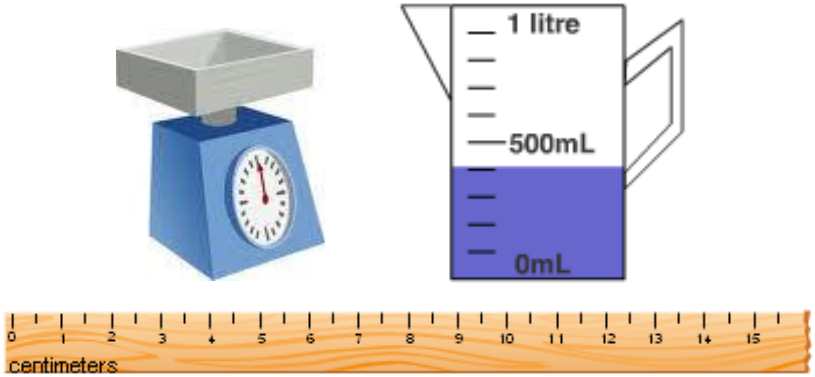
meter (m)

A standard unit of length in the metric system.

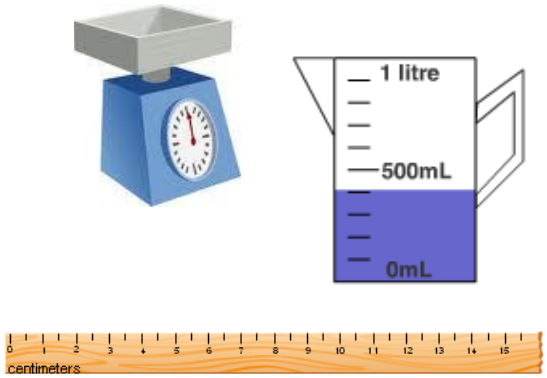
A baseball bat is *about* 1 meter long.

metric system

metric system



metric system



A system of measurement based on tens. The basic unit of capacity is the liter. The basic unit of length is the meter. The basic unit of mass is the gram.

midnight

midnight

midnight

12:00 at night.

minute (min)

minute (min)

minute (min)

A unit used to measure short amounts of time; there are 60 minutes in one hour.

multiple

multiple

12 is a multiple of 3 (and of 4) because 3 x 4 = 12

multiple

12 is a multiple of 3 (and of 4) because 3 x 4 = 12

A product of a given whole number and any other whole number.

Multiplicative Identity Property of 1

Multiplicative Identity Property of 1

1 group of 3 = 3
1 x 3 = 3

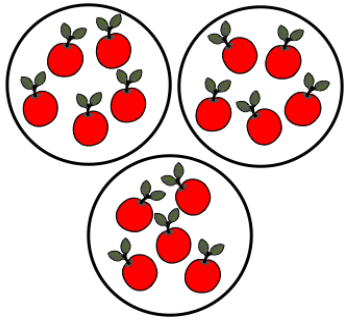
Multiplicative Identity Property of 1

1 group of 3 = 3
1 x 3 = 3

If you multiply a number by one, the product is the same as that number.

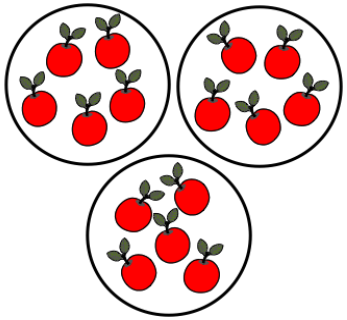
multiply

multiply



3 x 5 = 5 + 5 + 5

multiply



3 x 5 = 5 + 5 + 5

The operation of repeated addition of the same number.

noon

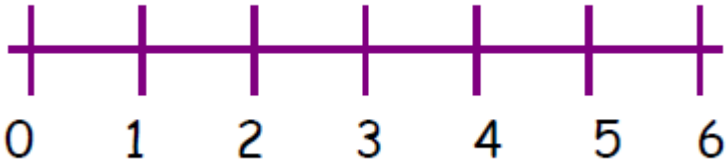
noon

noon

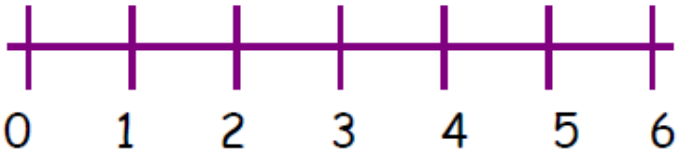
12:00 in the day.

number line

number line



number line

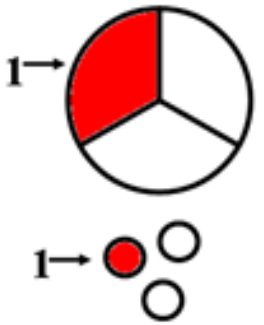


A diagram that represents numbers as points on a line.

numerator

numerator

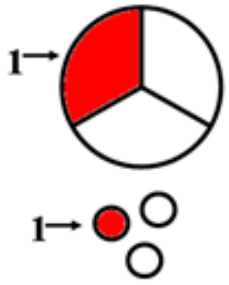
$\frac{1}{3}$



- Parts shaded
- Parts we are using

numerator

$\frac{1}{3}$



- Parts shaded
- Parts we are using

The number written above the line in a fraction. It tells how many equal parts are described in the fraction.

octagon

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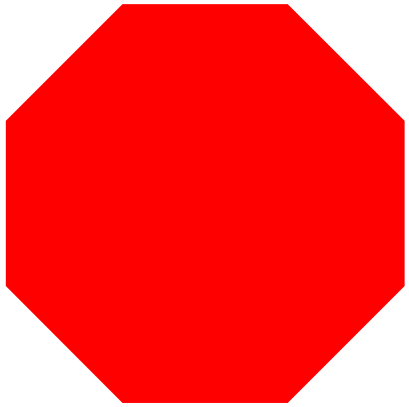
octagon



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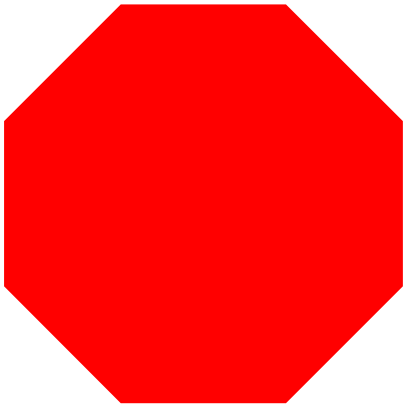
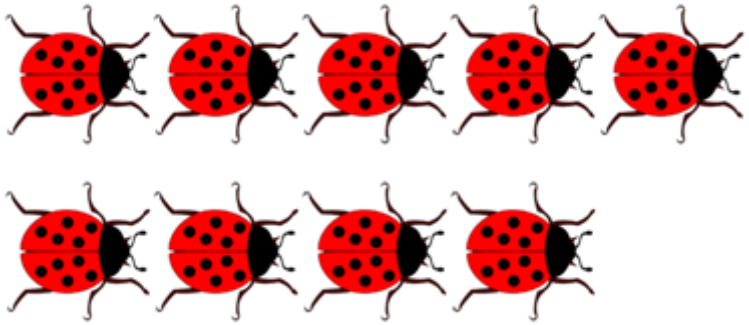
octagon



A polygon with eight sides.

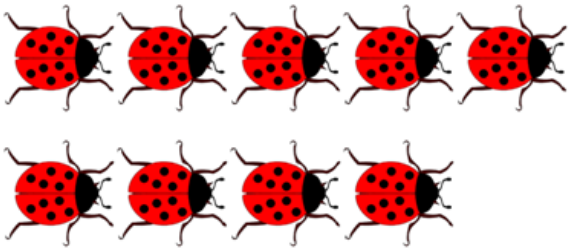
odd number

odd number



9 is odd.

odd number

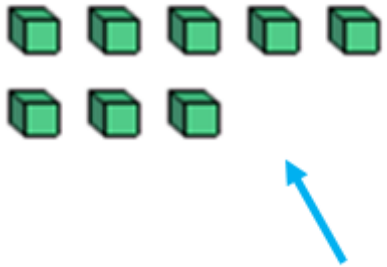


9 is odd.

An odd number
cannot be shown
as two equal parts.
An odd number has
1, 3, 5, 7, or 9
in the ones place.

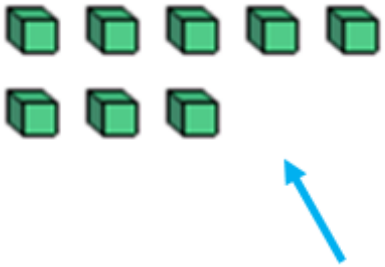
ones

ones



8 ones

ones

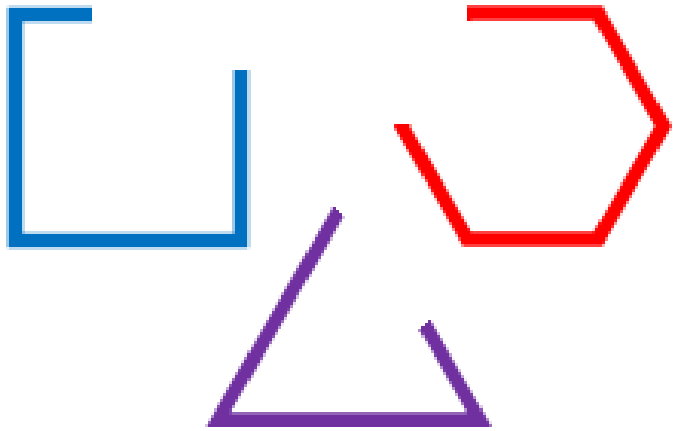


8 ones

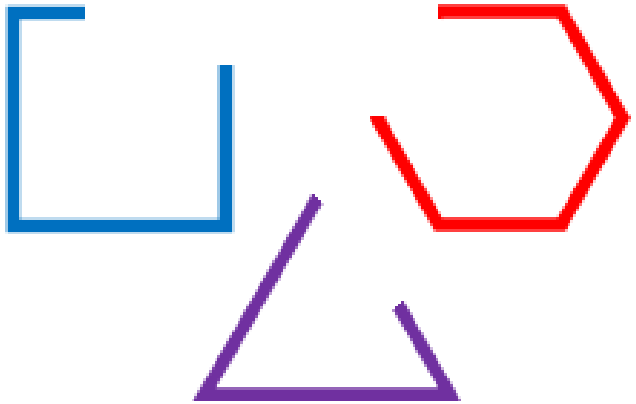
A single unit or object.

open shape

open shape



open shape



A figure that does not begin and end at the same point.

order

order

$\frac{2}{8}$ $\frac{2}{6}$ $\frac{2}{4}$

In order from least to greatest.

order

$\frac{2}{8}$ $\frac{2}{6}$ $\frac{2}{4}$

In order from least to greatest.

A sequence or arrangement of things. To order fractions, compare two fractions at a time.

Order of Operations

Order of Operations

Order of Operations

1. **Do operations in parentheses.**
2. **Multiply and divide in order from left to right.**
3. **Add and subtract in order from left to right.**

Order of Operations

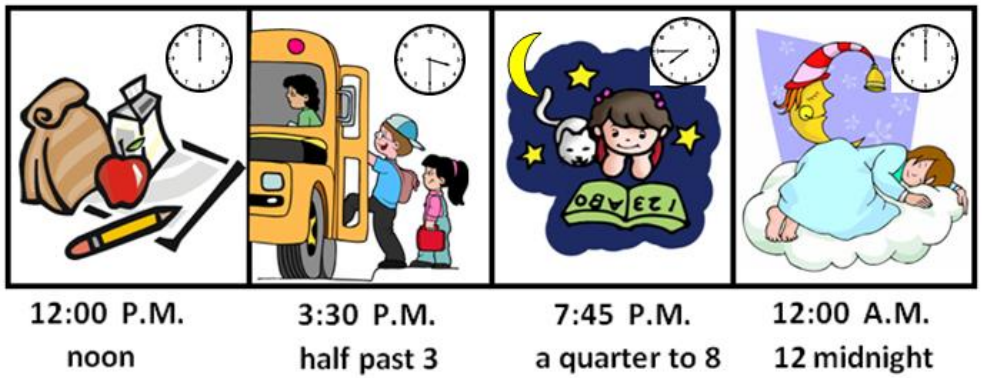
Order of Operations

1. **Do operations in parentheses.**
2. **Multiply and divide in order from left to right.**
3. **Add and subtract in order from left to right.**

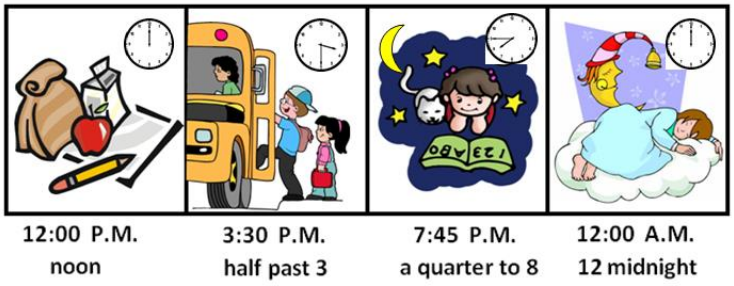
A set of rules that tells the order in which to compute.

p.m.

p.m.



p.m.

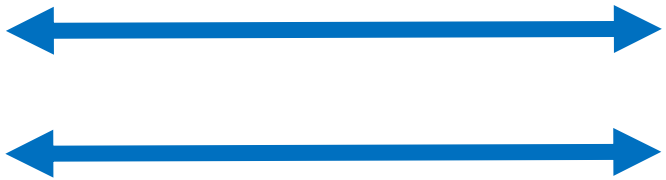


The time between
12:00 noon and
12:00 midnight.

parallel lines

parallel lines

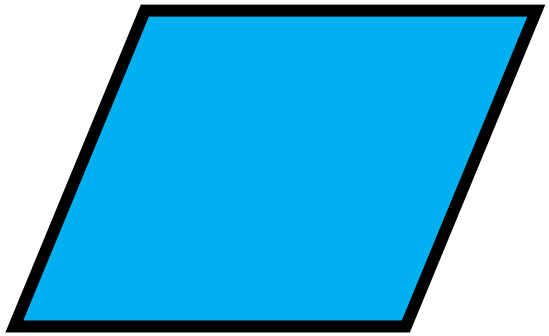
parallel lines



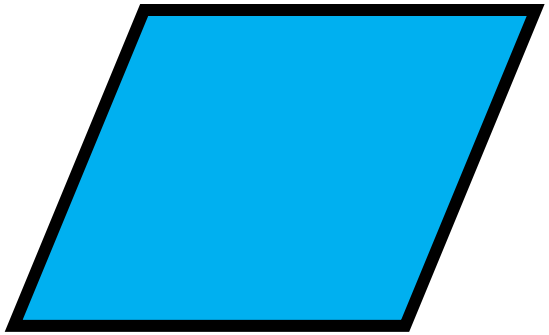
Lines that are always the same distance apart.

parallelogram

parallelogram



parallelogram



A quadrilateral with two pairs of parallel and congruent sides.

parentheses

---

parentheses

(2 + 3) x 4
5 x 4
20

---

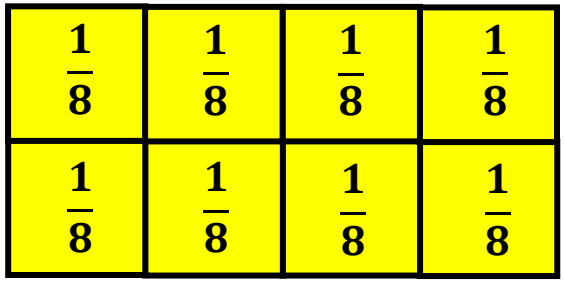
parentheses

(2 + 3) x 4
5 x 4
20

Used in mathematics as grouping symbols for operations. When simplifying an expression, the operations within the parentheses are performed first.

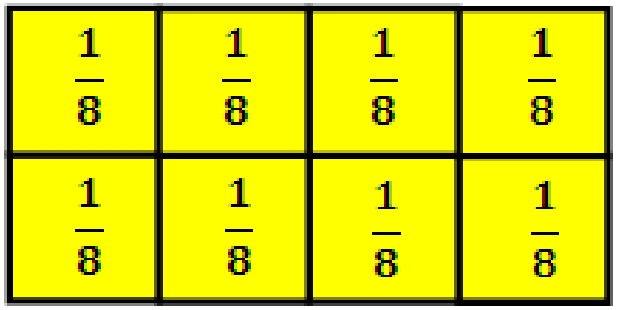
partition

partition



eight $\frac{1}{8}$ equal parts

partition



eight $\frac{1}{8}$ equal parts

An action to divide shapes into smaller parts.

partitive division

(sharing division)

---

partitive division

(sharing division)

Justin has 12 balloons. He wants to share them evenly among 3 friends. How many balloons should he give each friend? 12 ÷ 3 = 4

---

partitive division

(sharing division)

Justin has 12 balloons. He wants to share them evenly among 3 friends. How many balloons should he give each friend? 12 ÷ 3 = 4

A division problem where the number of objects in each group is unknown. *How many in each group?*

pattern

---

pattern

1 +4 5 +4 9 +4 13

The pattern is all odd numbers.
It follows the rule “add 4.”

---

pattern

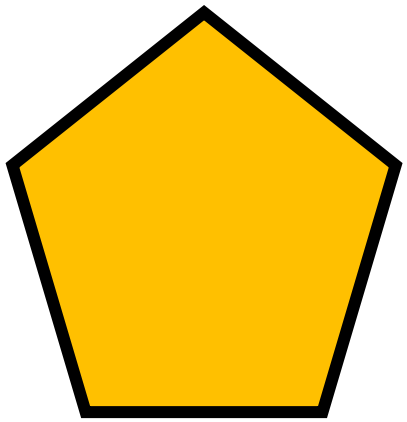
1 +4 5 +4 9 +4 13

The pattern is all odd numbers.
It follows the rule “add 4.”

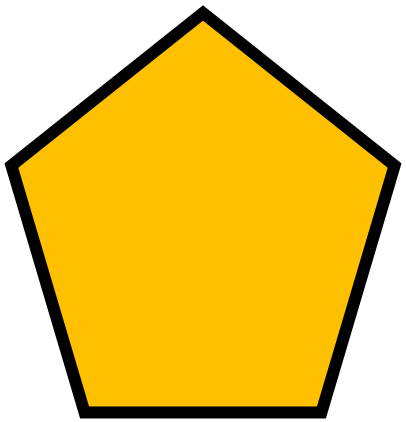
A repeating or growing sequence. An ordered set of numbers arranged according to a rule.

pentagon

pentagon



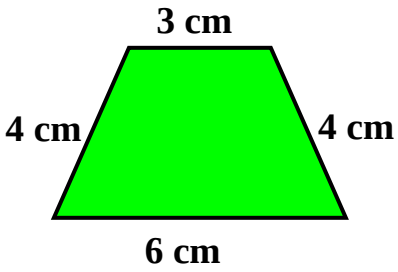
pentagon



A polygon with five sides.

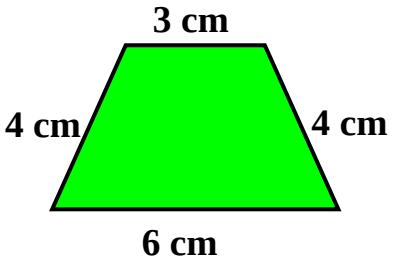
perimeter

perimeter



Perimeter = 4cm + 6cm + 4cm + 3cm
= 17cm

perimeter

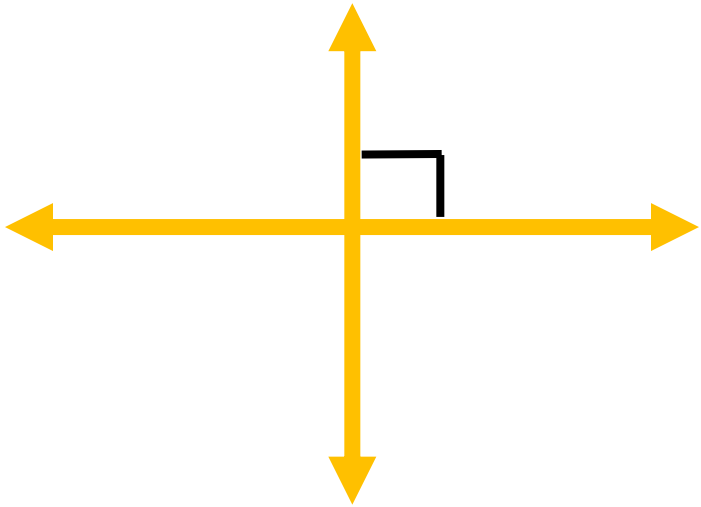


The distance around a figure.

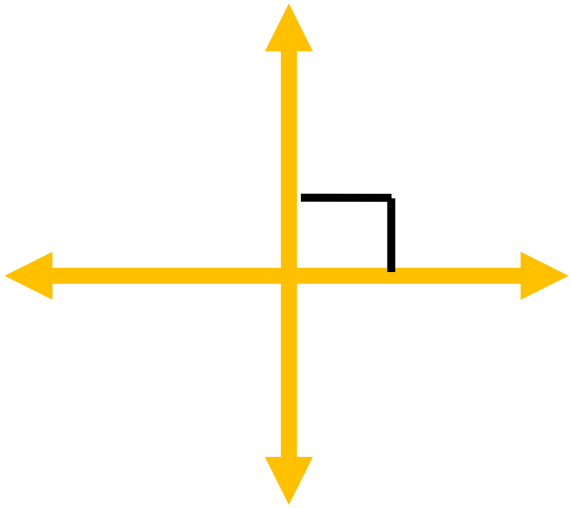
Perimeter = 4cm + 6cm + 4cm + 3cm
= 17cm

perpendicular lines

perpendicular lines



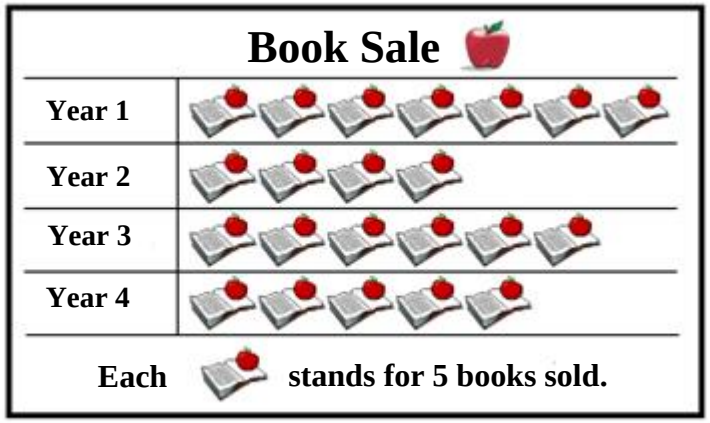
perpendicular lines



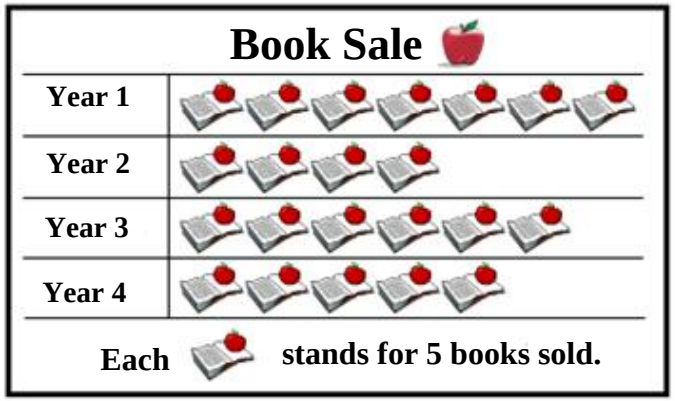
Two intersecting lines that form right angles.

picture graph

picture graph



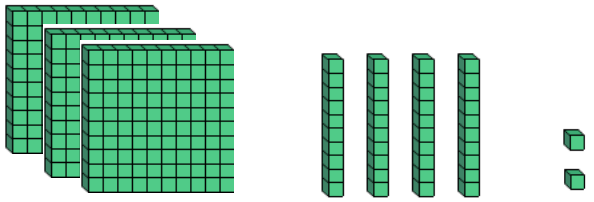
picture graph



A graph that uses pictures or symbols to show data.

place value

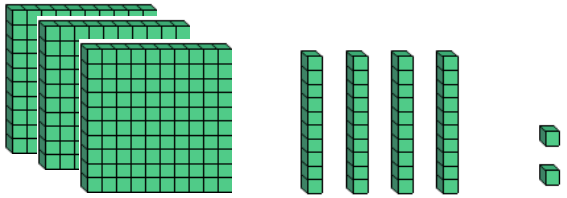
place value



Hundreds	Tens	Ones
3	4	2

300 + 40 + 2

place value



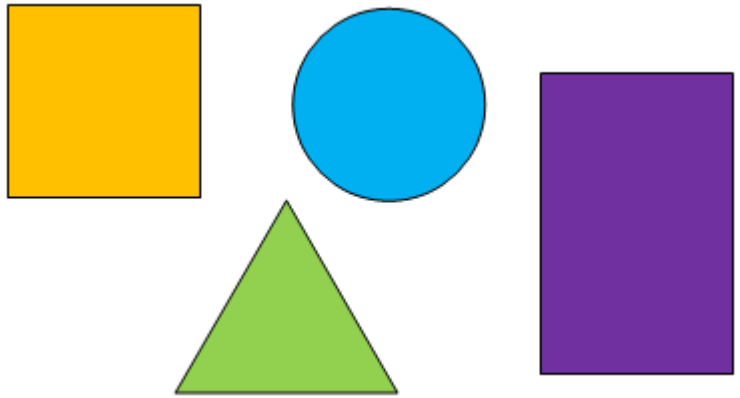
Hundreds	Tens	Ones
3	4	2

300 + 40 + 2

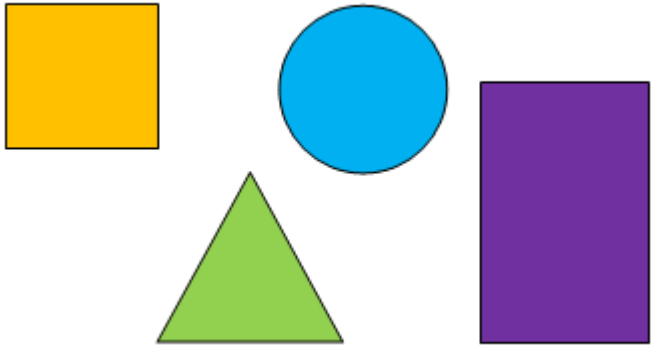
The value a digit has because of its place in a number.

plane figure

plane figure



plane figure



A two-dimensional figure.

point

point

point

The exact location in space represented by a dot.

polygon

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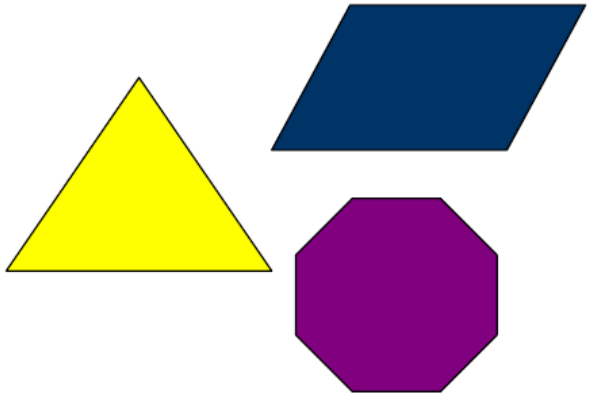
polygon



3 + sides

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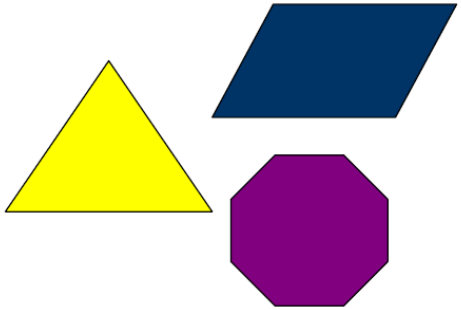
polygon

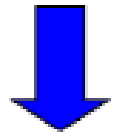


3 + sides

A closed plane figure made by line segments.

product

product



5 x 3 = 15

product

5 x 3 = 15

The answer to a multiplication problem.

quadrilateral

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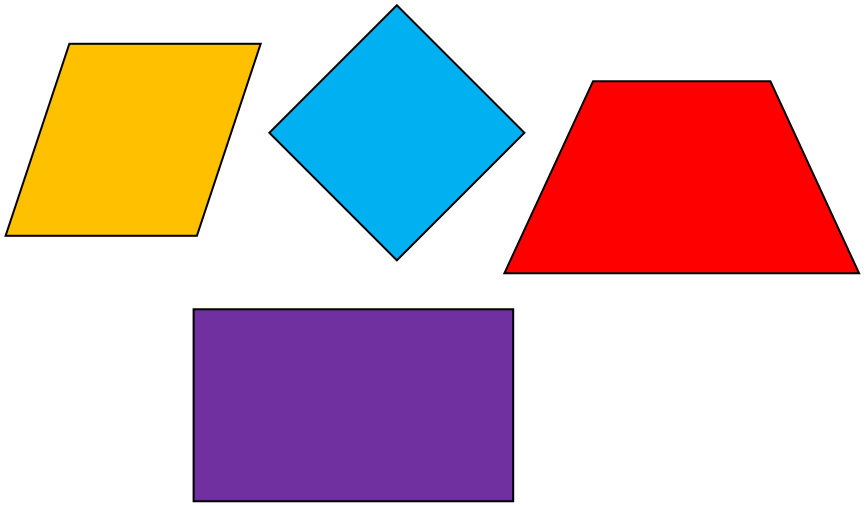
quadrilateral



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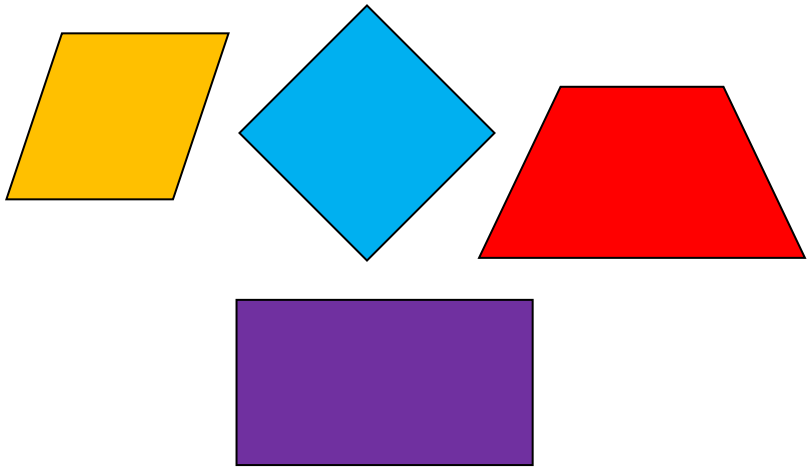
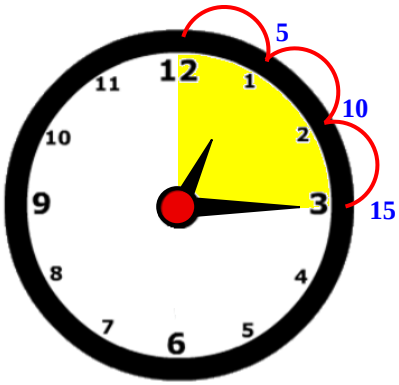
quadrilateral



A polygon with four sides.

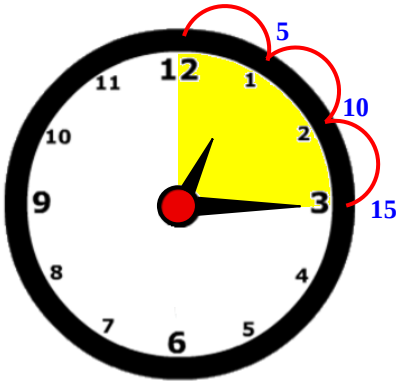
quarter hour

quarter hour



15 minutes = 1 quarter hour

quarter hour



15 minutes = 1 quarter hour

A unit of time worth 15 minutes.

quotative division

(measurement division)

quotative division

(measurement division)

Justin has 12 balloons. If he gives 3 balloons to each friend, how many friends will get balloons? 12 ÷ 3 = 4

quotative division

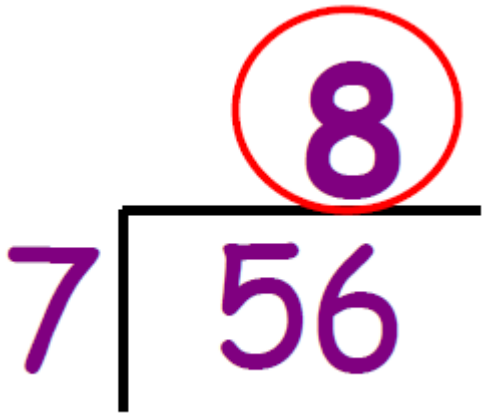
(measurement division)

Justin has 12 balloons. If he gives 3 balloons to each friend, how many friends will get balloons? 12 ÷ 3 = 4

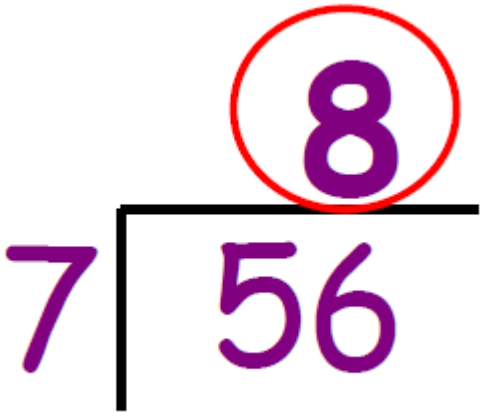
A division problem where the number of groups is unknown. *How many groups?*

quotient

quotient



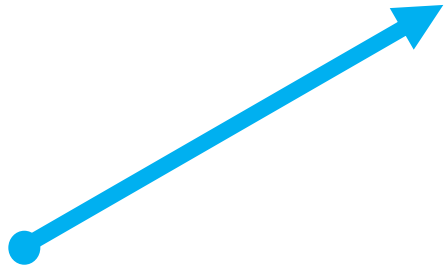
quotient



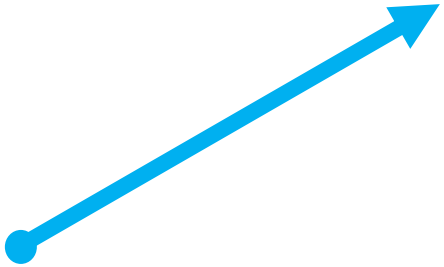
The answer to a division problem.

ray

ray



ray



A part of a line that
has one endpoint and
goes on forever
in one direction.

reasonableness

reasonableness

What is the product of 5 x 8?

A. 12 C. 40

B. 13 D. 58

I know that 5 times any number has a 0 or 5 digit in the ones place.

So, C is the only answer that makes sense.

reasonableness

What is the product of 5 x 8?

A. 12 C. 40

B. 13 D. 58

I know that 5 times any number has a 0 or 5 digit in the ones place.

So, C is the only answer that makes sense.

An answer that is based on good number sense.

rectangle

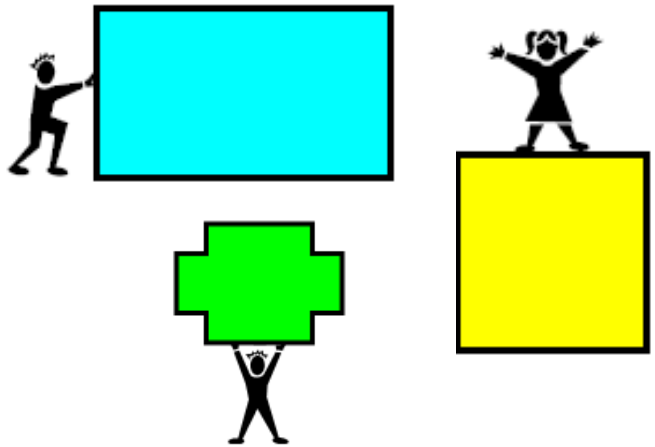
rectangle

rectangle

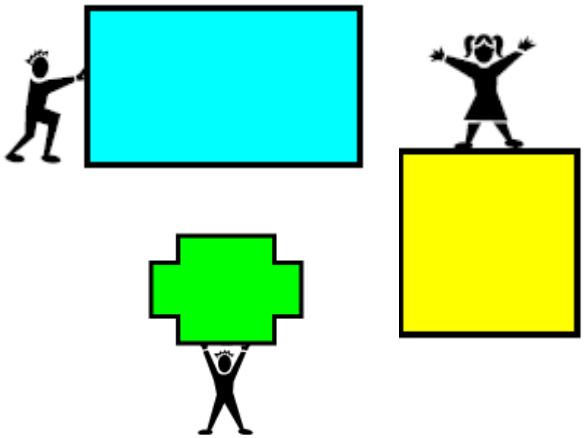
A quadrilateral with two pairs of congruent, parallel sides and four equal angles.

rectilinear figure

rectilinear figure



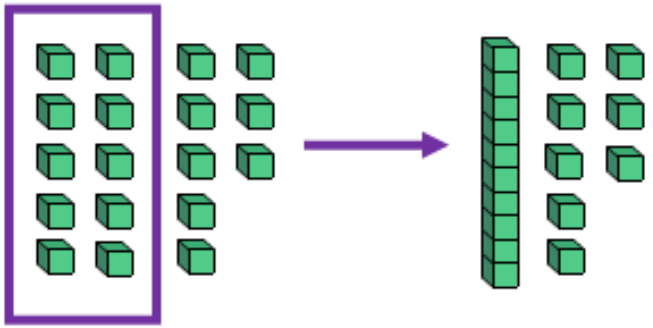
rectilinear figure



A polygon where all angles are right angles.

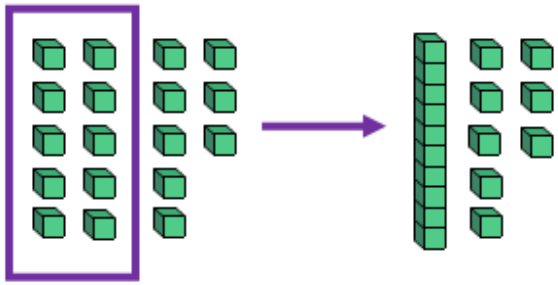
regroup

regroup



Regroup 18 ones as 1 ten and 8 ones.

regroup



To rearrange the formation of a group.

Regroup 18 ones as 1 ten and 8 ones.

related facts

related facts

Related Facts for 3, 5, 8

3 + 5 = 8	**8 – 5 = 3**
5 + 3 = 8	**8 – 3 = 5**

related facts

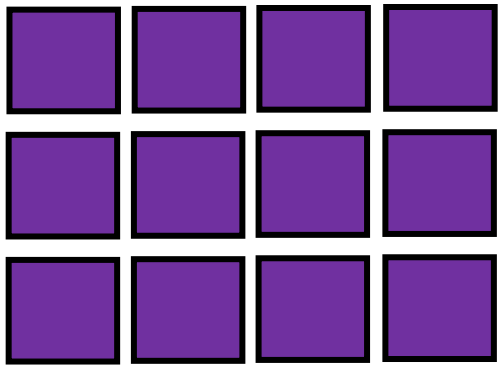
Related Facts for 3, 5, 8

3 + 5 = 8	**8 – 5 = 3**
5 + 3 = 8	**8 – 3 = 5**

Related addition and subtraction facts or related multiplication and division facts. (also known as fact family)

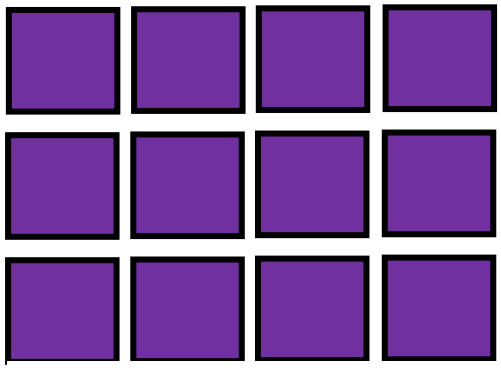
repeated addition

repeated addition



4 + 4 + 4 = 12

repeated addition



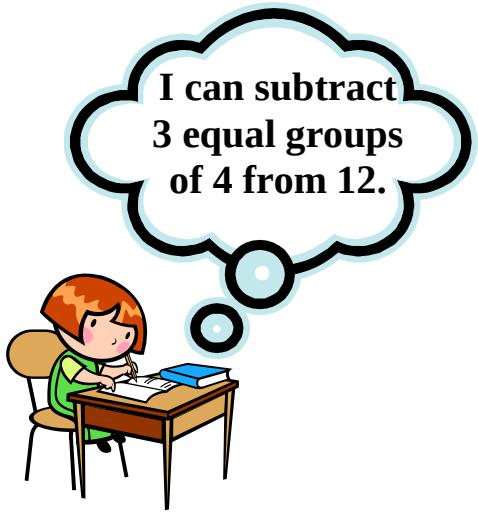
4 + 4 + 4 = 12

Adding equal groups of objects to find the total amount of objects.

repeated subtraction

repeated subtraction

$12 - 4 = 8$
$8 - 4 = 4$
$4 - 4 = 0$



repeated subtraction

$12 - 4 = 8$
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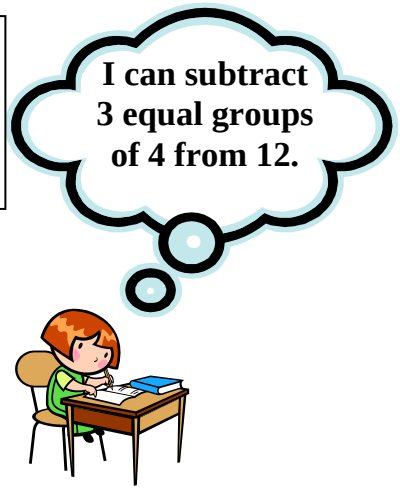
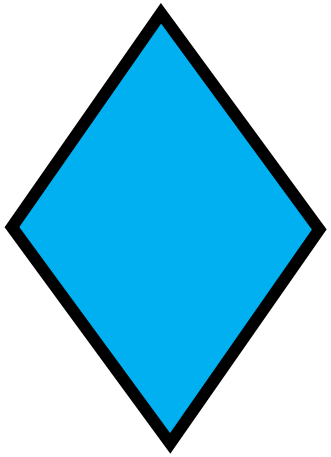


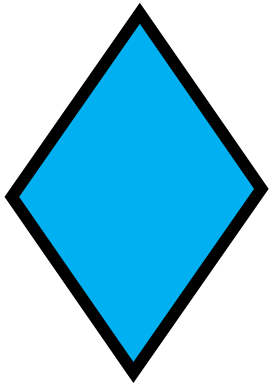
Subtracting equal groups to find the total amount of groups.

rhombus

rhombus



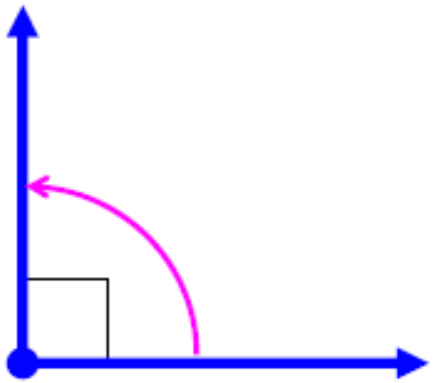
rhombus



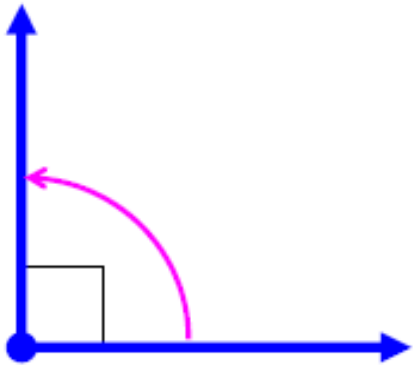
A quadrilateral with all four sides equal in length.

right angle

right angle



right angle

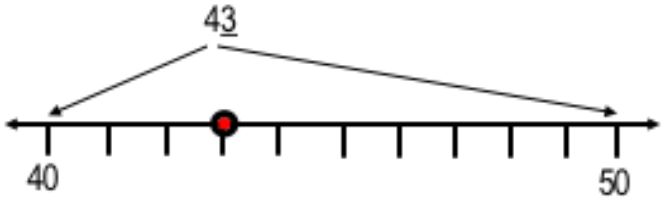


An angle that forms a square corner.

round a whole number

round a whole number

round a whole number

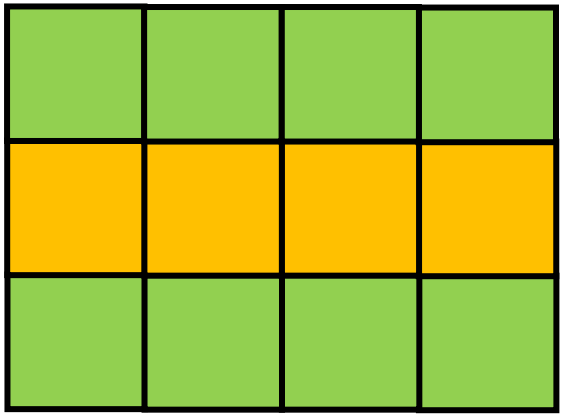


To find the nearest ten, hundred, thousand, (and so on).

row

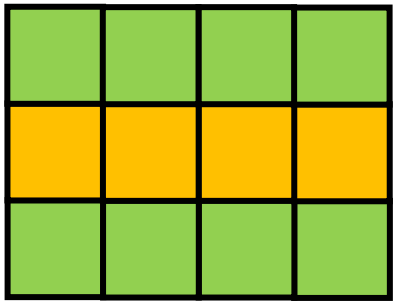
row

Rows go from left to right.



row

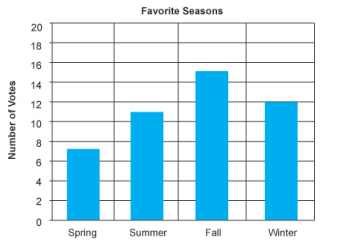
Rows go from left to right.



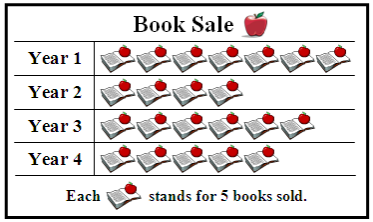
A horizontal arrangement of numbers or information in an array or table.

scale (on a graph)

scale
(on a graph)

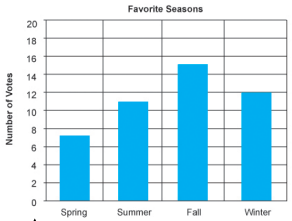


Each rectangle represents 2 votes.

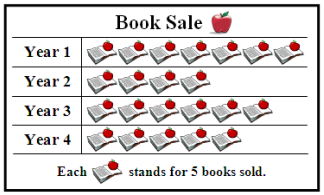


Each picture represents 5 books.

scale
(on a graph)



Each rectangle represents 2 votes.



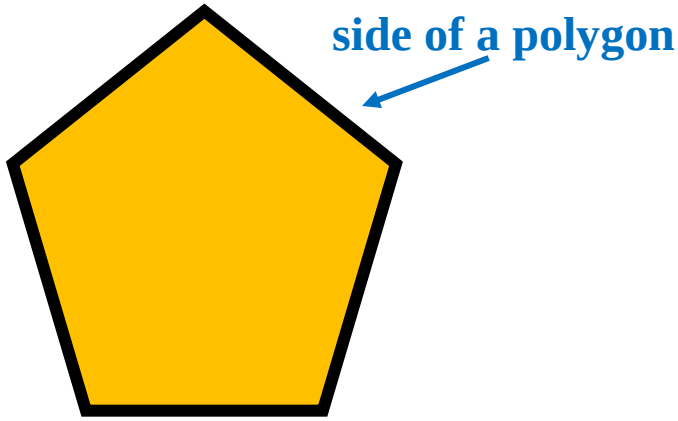
Each picture represents 5 books.

The numbers that show the units used on a graph.

side of a polygon

---

side of a polygon



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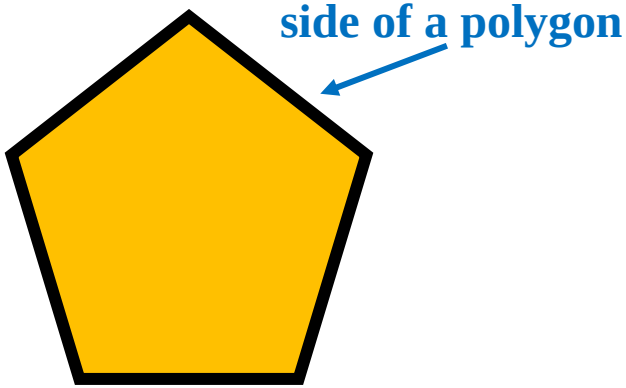
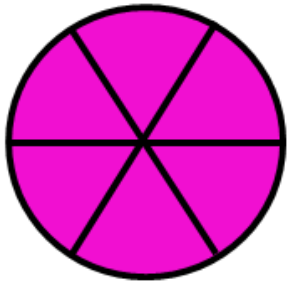
side of a polygon

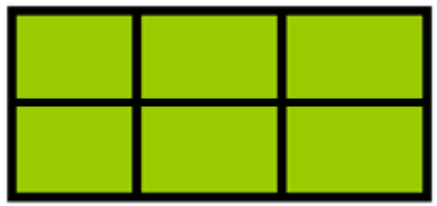


Any of the line segments that form a polygon.

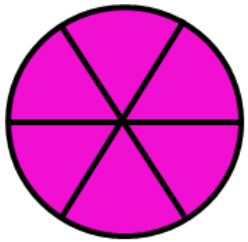
sixths

sixths





sixths



The parts you get when you divide something into six equal parts.

skip count

---

skip count **3, 6, 9, 12**

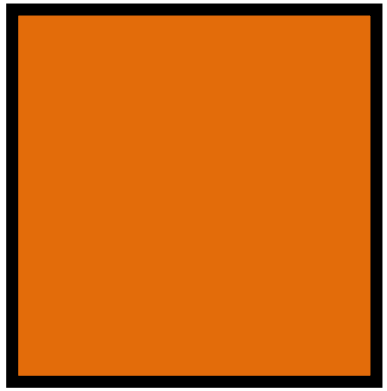
---

skip count **3, 6, 9, 12**

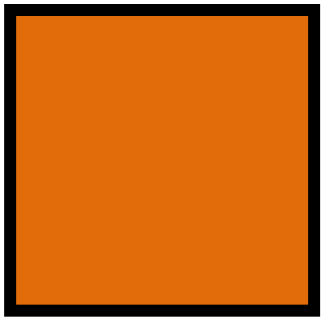
Counting by a given number greater than 1.

square

square



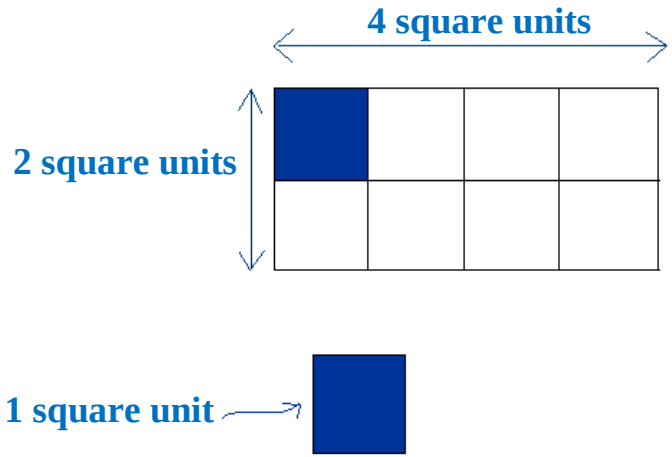
square



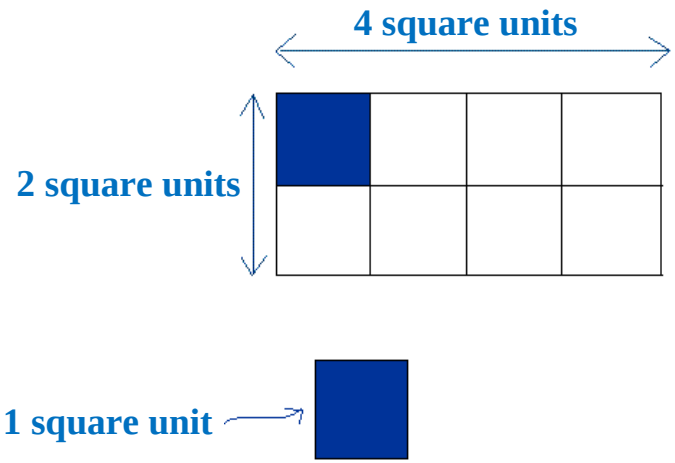
A parallelogram with four equal angles AND four equal sides.

square unit

square unit



square unit



A unit, such as square centimeter or square inch, used to measure area.

standard form

standard form

12,345

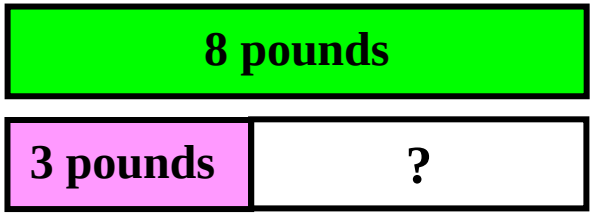
standard form

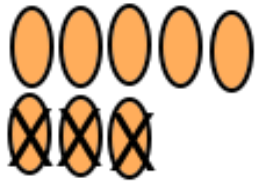
12,345

The common or usual way of writing a number using digits. (also known as base-ten numeral form)

subtract

subtract

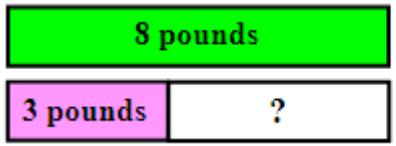


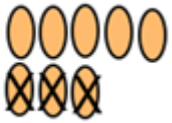


8 – 3 = 5

8 – 3 = 5

subtract





8 – 3 = 5

8 – 3 = 5

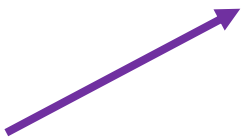
An operation that gives the difference between two numbers. Subtraction can be used to compare two numbers, or to find out how much is left after some is taken away.

sum

---

sum

453 + 929 = 1,382

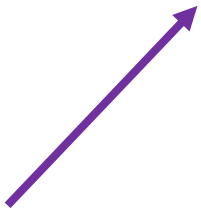


sum

---

sum

453 + 929 = 1,382

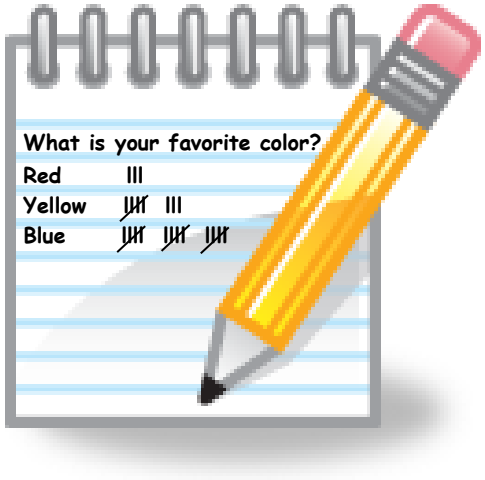


sum

The answer to an addition problem.

survey

survey



survey

A way to gather data by asking questions.

tally table

tally table

Favorite Fruit	
 Orange	𝍸
 Apple	𝍸 II
 Pear	III

tally table

Favorite Fruit	
 Orange	𝍸
 Apple	𝍸 II
 Pear	III

A table that uses tally marks to record data.

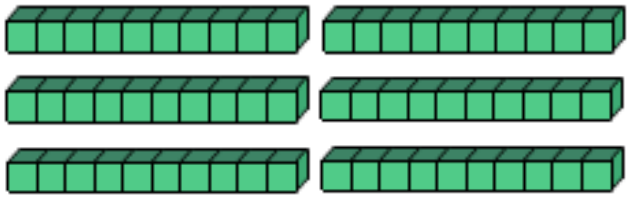
tens

---

tens

3 x 20
3 x 2 tens
6 tens

Example



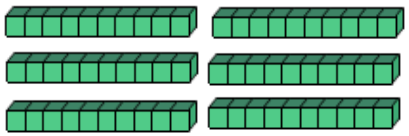
60

---

tens

3 x 20
3 x 2 tens
6 tens

Example

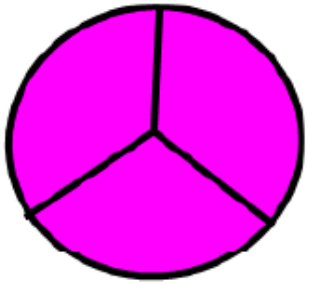


60

Sets of ten ones.
(i.e., 10, 20, 30, 40, 50, 60, 70, 80, or 90)

thirds

thirds



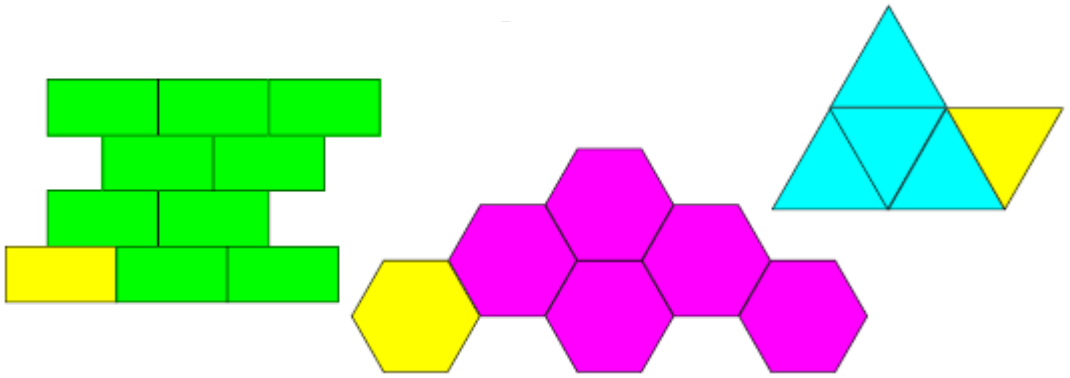
thirds

The parts you get when you divide something into 3 equal parts.

tiling

---

tiling



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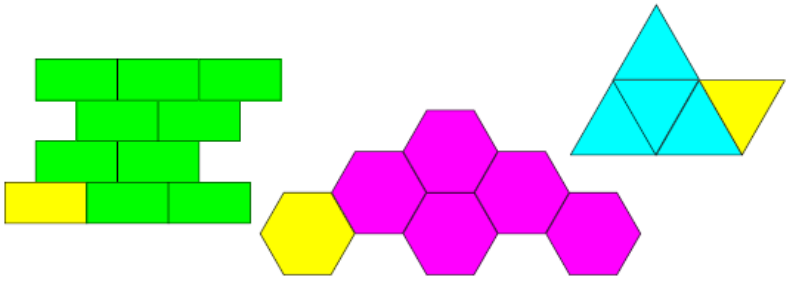
tiling



A pattern of shapes repeated to fill a plane. The shapes do not overlap and there are no gaps.

time interval

time interval

time interval

A duration of a segment of time. (also known as elapsed time)

trapezoid

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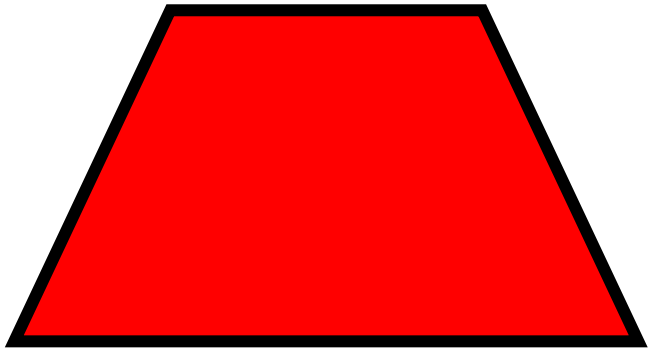
trapezoid



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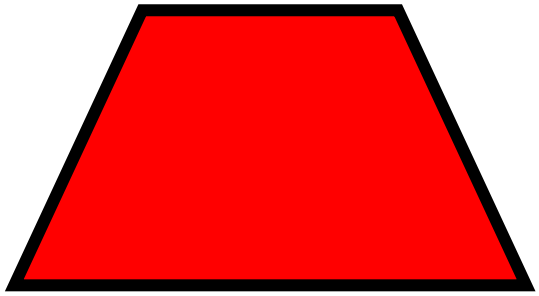
trapezoid

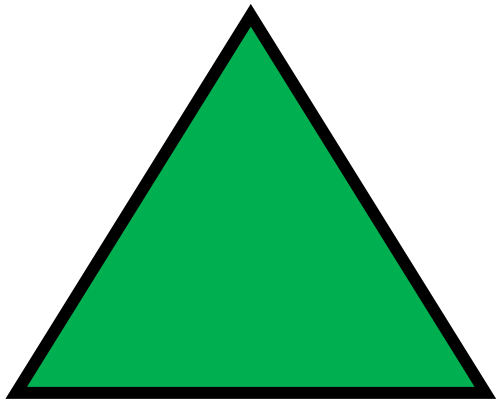


A quadrilateral with one pair of parallel sides and one pair of sides that are not parallel.

triangle

---

triangle



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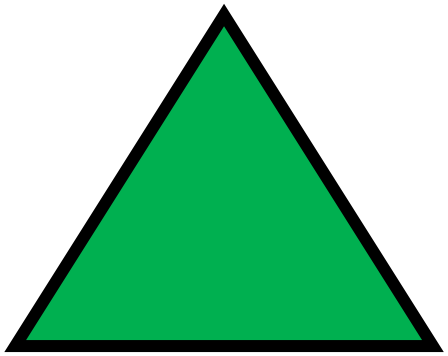
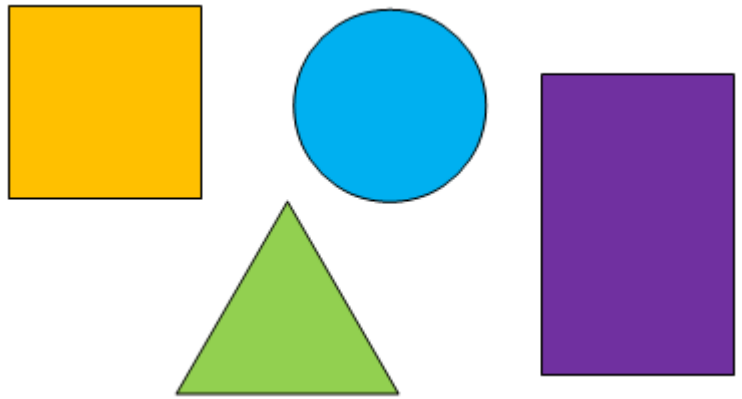
triangle



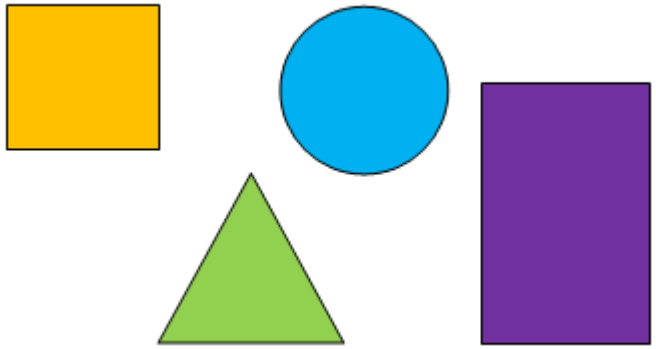
A polygon with three sides and three angles.

two-dimensional

two-dimensional



two-dimensional



Having length and width. Having area, but not volume. (also known as plane figure)

unit fraction

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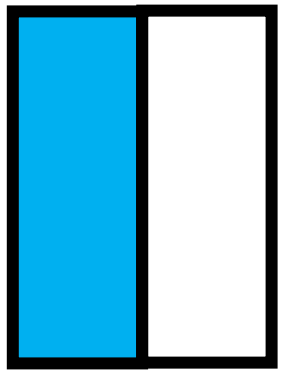
unit fraction

$\frac{1}{2}$



Example

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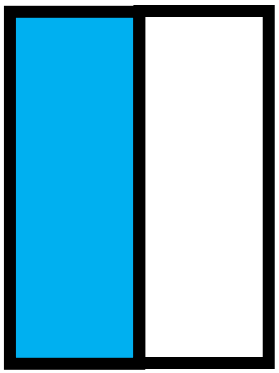
unit fraction

$\frac{1}{2}$

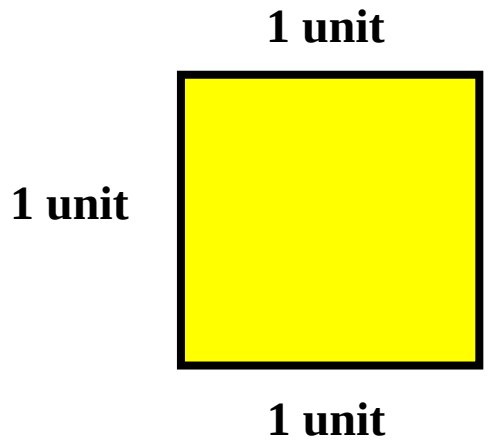


Example

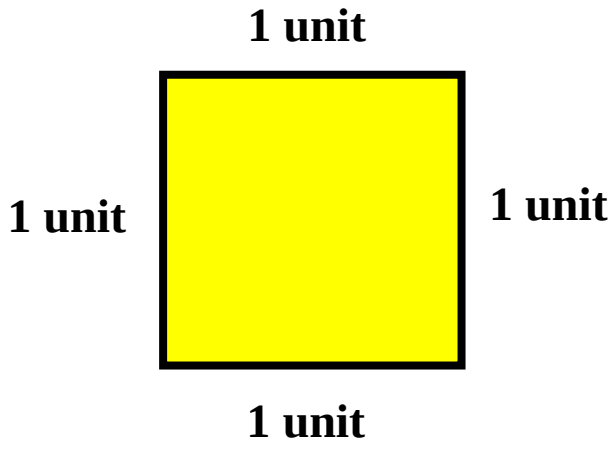
A fraction that has 1 as its numerator. A unit fraction names 1 equal part of a whole.

unit square

unit square



unit square



A square with side lengths of 1 unit each. It has an area of 1 square unit.

variable

---

variable

$5 \times b = 10$

b is a variable worth 2

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variable

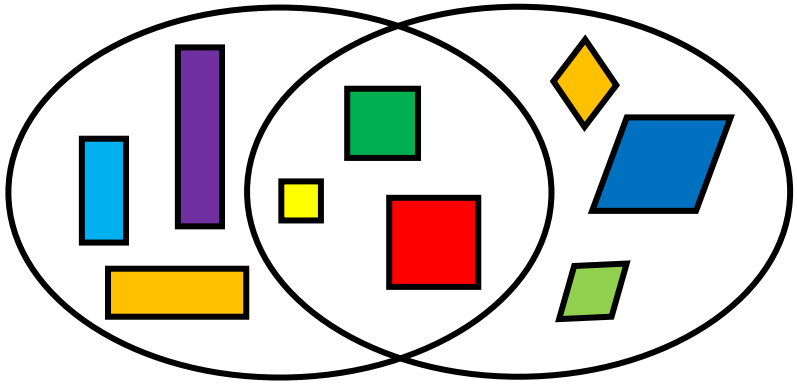
$5 \times b = 10$

b is a variable worth 2

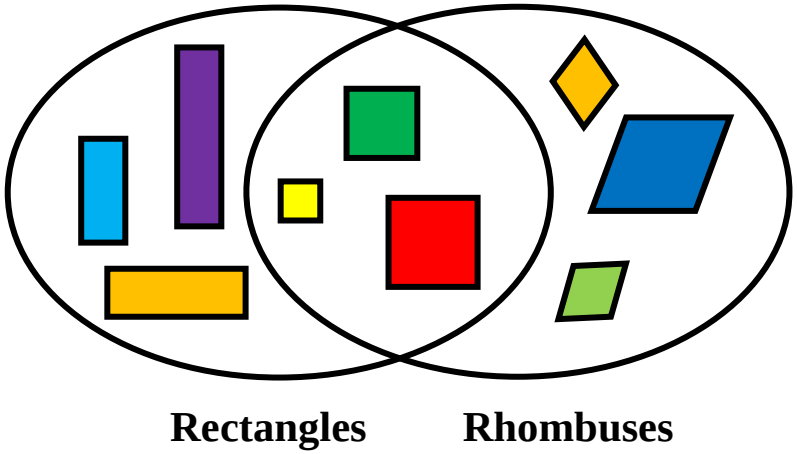
A letter or symbol that represents a number.

Venn diagram

Venn diagram



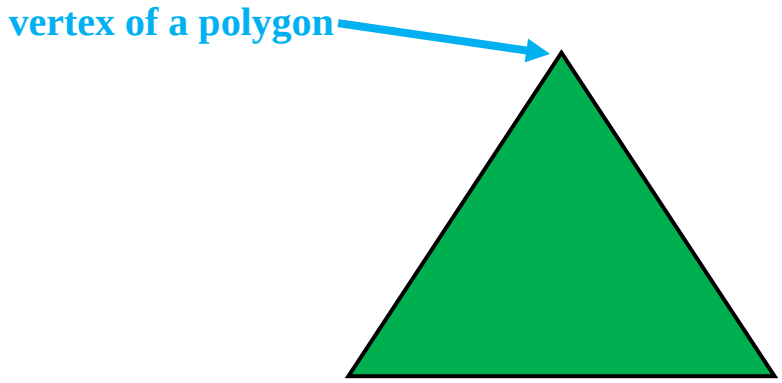
Venn diagram



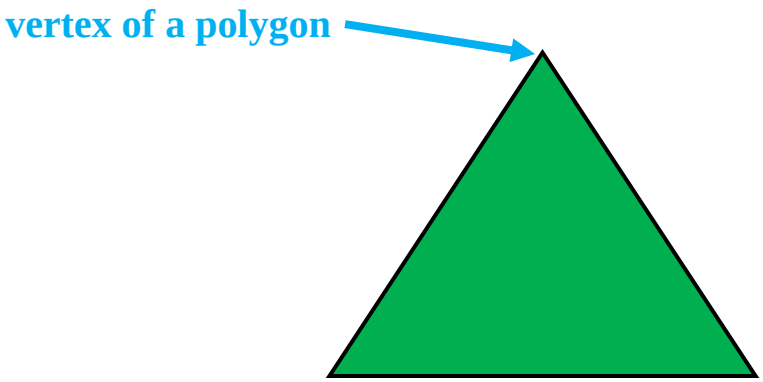
A drawing with circles or rings to show how sets of objects are related.

vertex

vertex



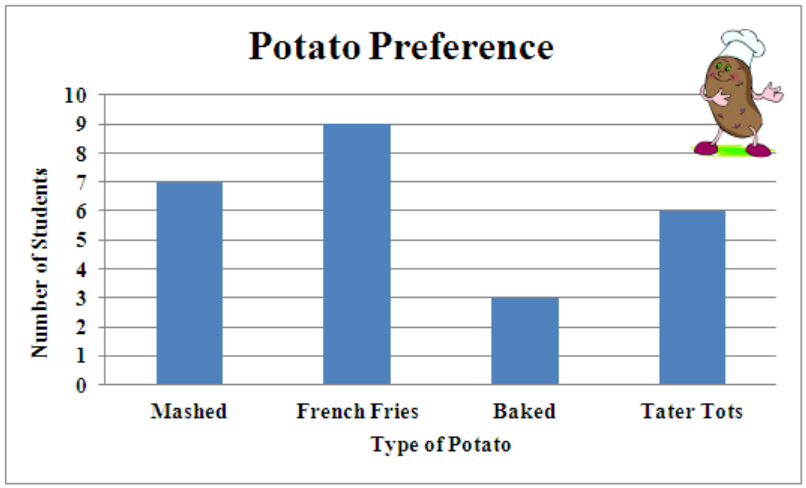
vertex



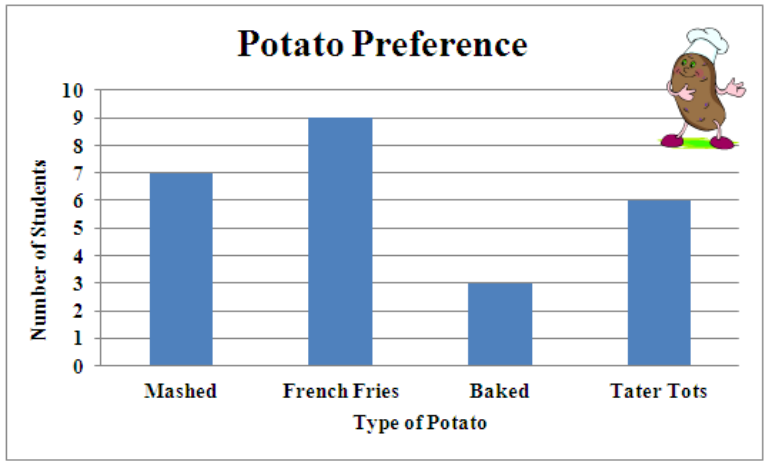
A point at which two or more sides of a geometric figure meet.
(plural - vertices)

vertical bar graph

vertical bar graph



vertical bar graph



A graph that uses height of rectangles to compare data.

volume (liquid)

volume
(liquid)

liquid volume

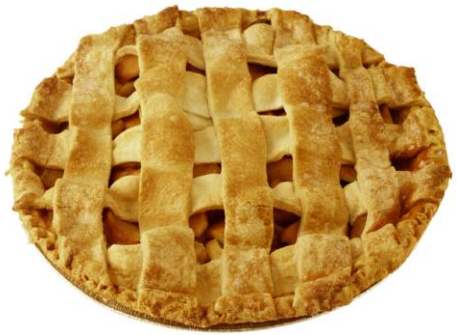
volume
(liquid)

liquid volume

The number of cubic units it takes to fill a figure.

whole

whole



1 whole pie

1 whole rectangle

whole

1 whole pie

1 whole rectangle

All of an object,
a group of objects,
shape, or quantity.

whole numbers

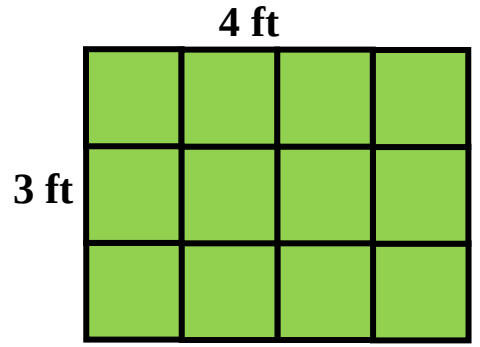
whole numbers

whole numbers

Whole numbers are 0 and the counting numbers 1, 2, 3, 4, 5, 6, and so on.

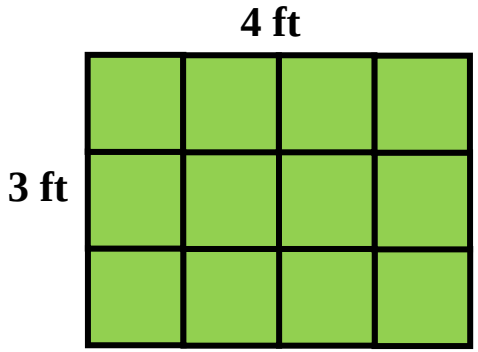
width

width



Length	Width	Area
3 ft	4 ft	12 sq ft

width



Length	Width	Area
3	4	12 sq ft

One dimension of a 2-dimensional or 3-dimensional figure.

word form

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word form

The word form of 345 is three hundred forty-five.

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word form

The word form of 345 is three hundred forty-five.

A way of using words to write a number. (also known as number names)

Zero Property of Multiplication

Zero Property of Multiplication

8 x 0 = 0

Zero Property of Multiplication

8 x 0 = 0

The product of any number and zero is 0.