Grade 5 Mathematics
Vocabulary Word Wall Cards

Mathematics vocabulary word wall cards provide a display of mathematics content words and associated visual cues to assist in vocabulary development. The cards should be used as an instructional tool for teachers and then as a reference for all students. **The cards are designed for print use only.**

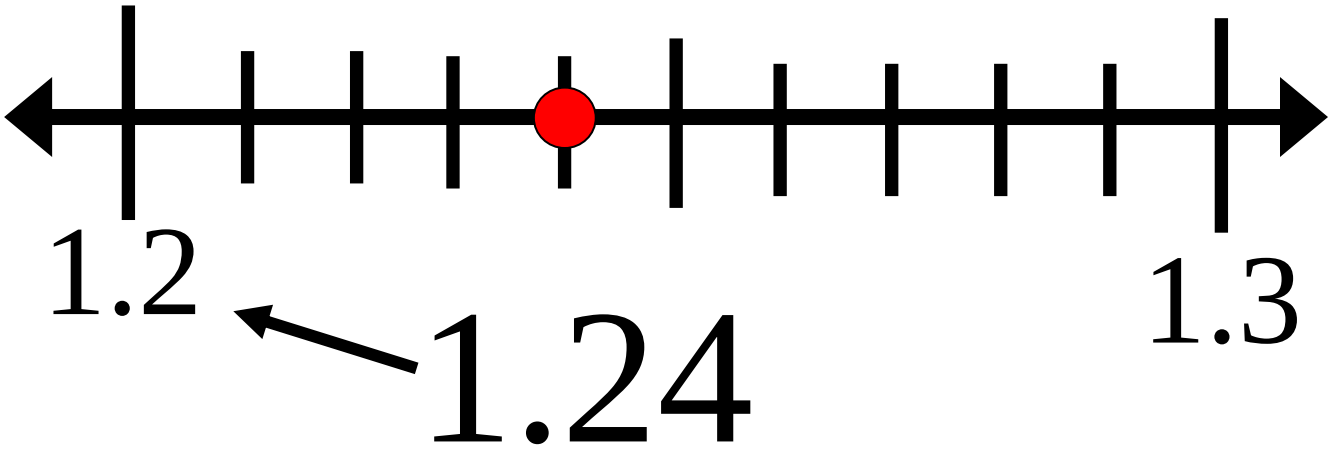
Table of Contents

Decimal Place Value Position

Ones		Tenths	Hundredths	Thousandths
3	.	7	2	1

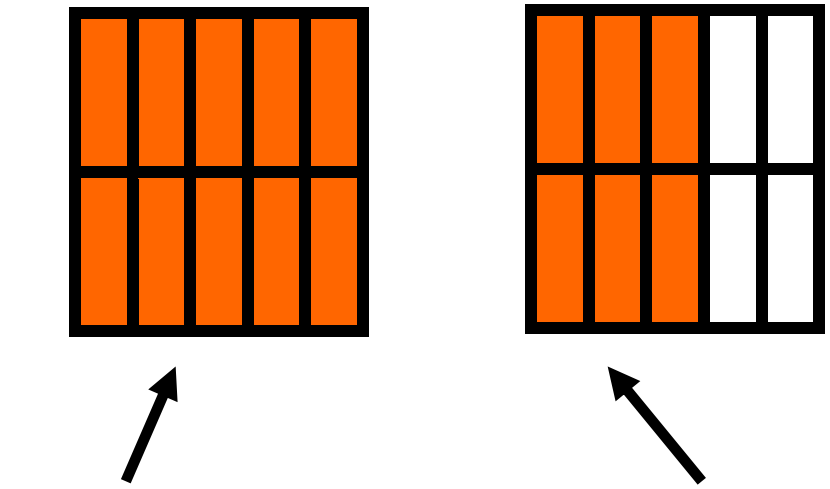
decimal point

Round



Round 1.24 to the nearest tenth.

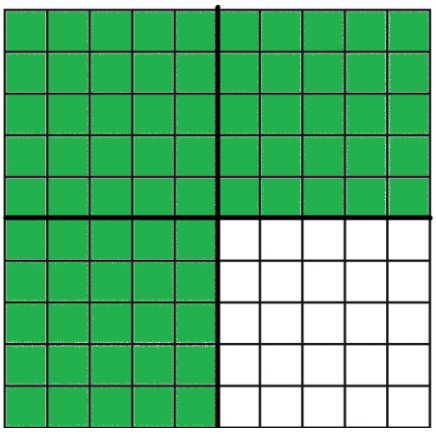
Mixed Number



$$\frac{16}{10} = 1\frac{6}{10} = 1.6$$

Equivalent

$$\frac{75}{100} = \frac{3}{4}$$



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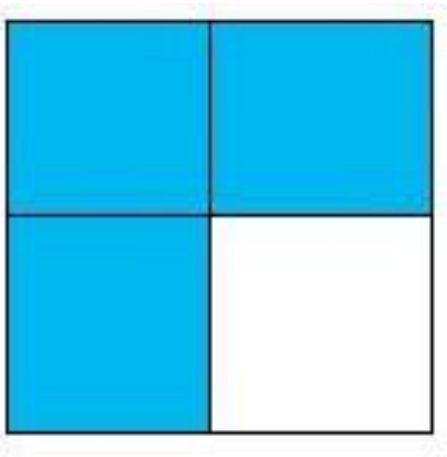


$$0.75 = \frac{3}{4}$$

Prime Number

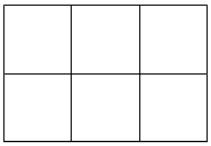
has exactly two different factors, 1 and itself

Prime numbers to 100				
2	3	5	7	11
13	17	19	23	29
31	37	41	43	47
53	59	61	67	71
73	79	83	89	97

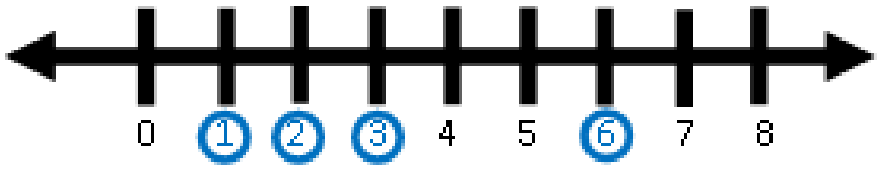
Composite Number

has factors other than one and itself

$1 \times 6 = 6$

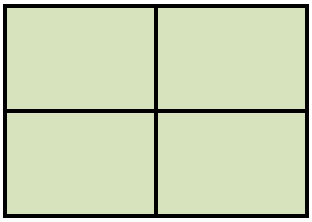


$2 \times 3 = 6$

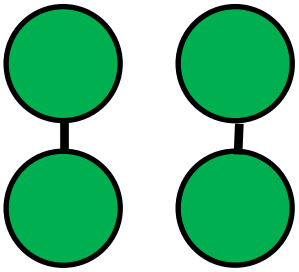


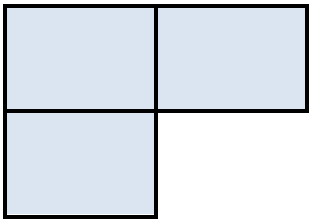
factors of 6: 1, 2, 3, 6

Even and Odd Numbers

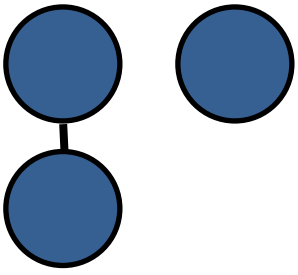


4 – even



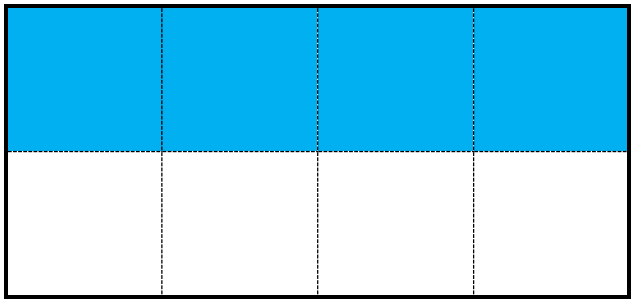


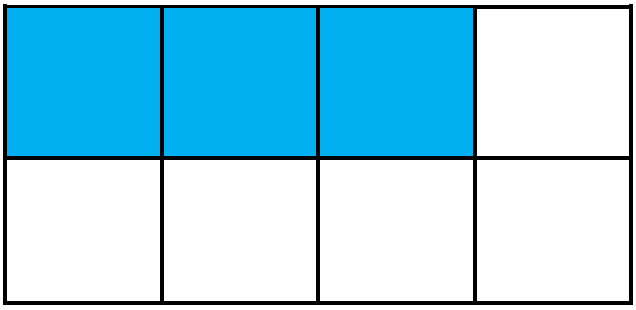
3 - odd



Fraction: Addition

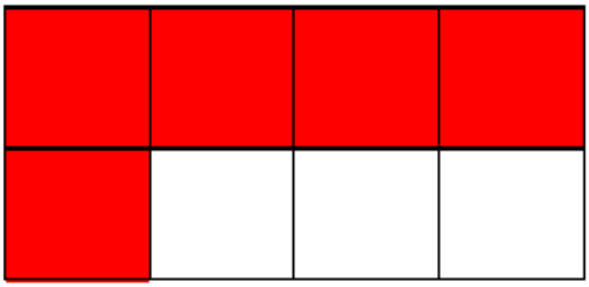
$$\frac{1}{2} + \frac{3}{8} = \frac{7}{8}$$

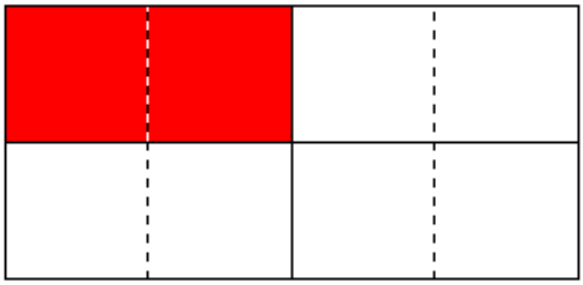




Fraction: Subtraction

$$\frac{5}{8} - \frac{1}{4} = \frac{3}{8}$$





Least Common Multiple

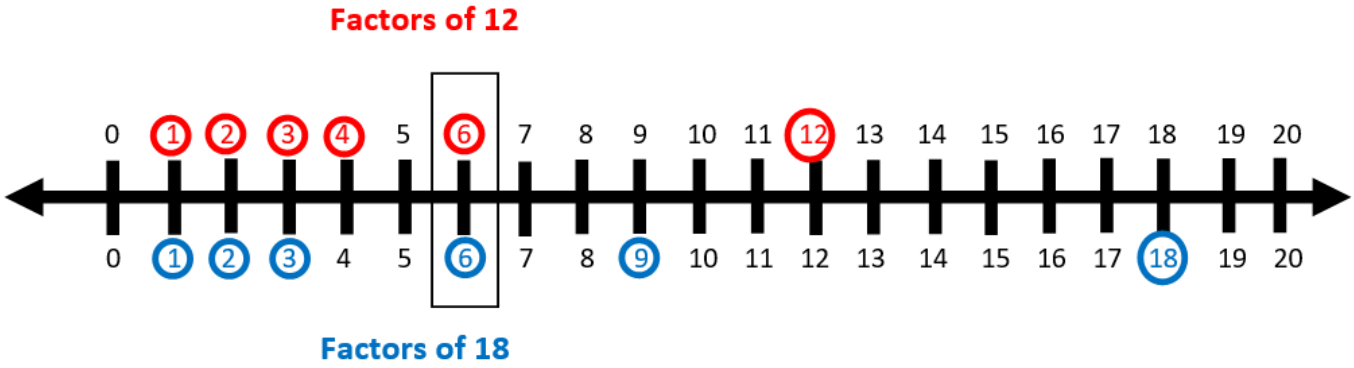
Multiples of 12	Multiples of 18
1 x 12 = 12	1 x 18 = 18
2 x 12 = 24	2 x 18 = 36
3 x 12 = 36	3 x 18 = 54
4 x 12 = 48	

LCM is 36.

Greatest Common Factor

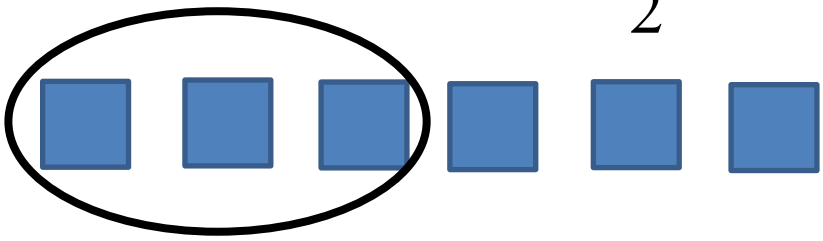
Factors of 12	Factors of 18
1 x 12 = 12	1 x 18 = 18
2 x 6 = 12	2 x 9 = 18
3 x 4 = 12	3 x 6 = 18
1, 2, 3, 4, 6, 12	1, 2, 3, 6, 9, 18

GCF is 6.



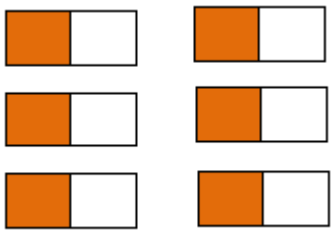
Unit Fraction Multiplication

How much is $\frac{1}{2}$ x 6?

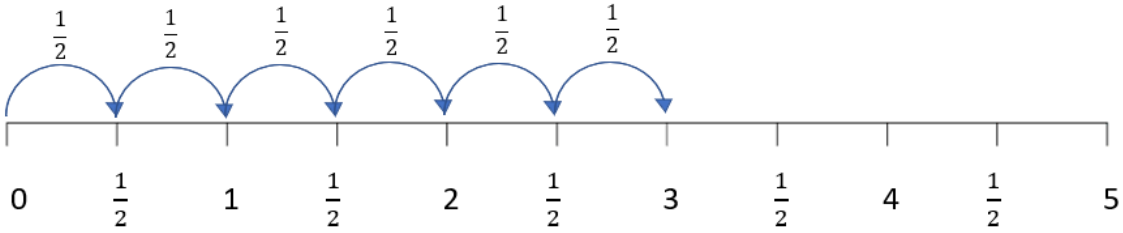


$$\frac{1}{2} \times 6 = 3$$

How much is 6 x $\frac{1}{2}$?

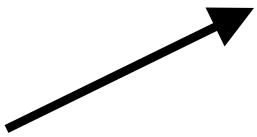


$$6 \times \frac{1}{2} = \frac{6}{2} = 3$$



Addition

$4.65 + 1.24 = 5.89$



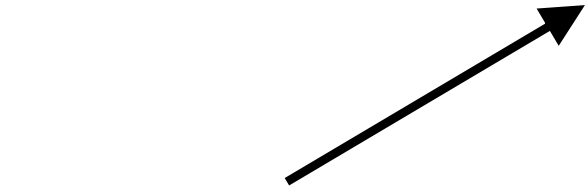
sum

+

plus

Subtraction

$4.65 - 1.24 = 3.41$



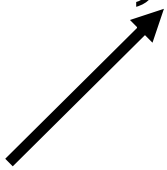
difference

minus

Multiply:

Product

$32 \times 48 = 1{,}536$



product

Divide:

Quotient

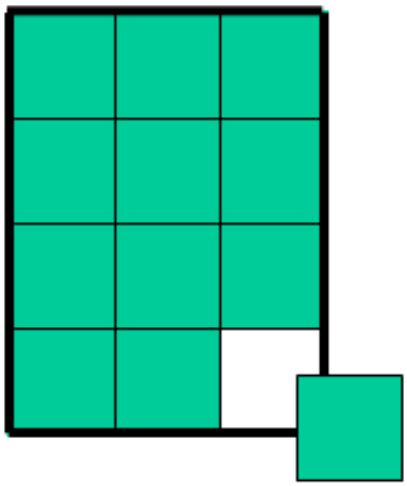
$$14\overline{)280}\,20 \qquad \frac{280}{14} = 20$$

$$280 \div 14 = 20$$

Area:

Square Units

the number of square units needed to cover a surface or plane figure



l x w

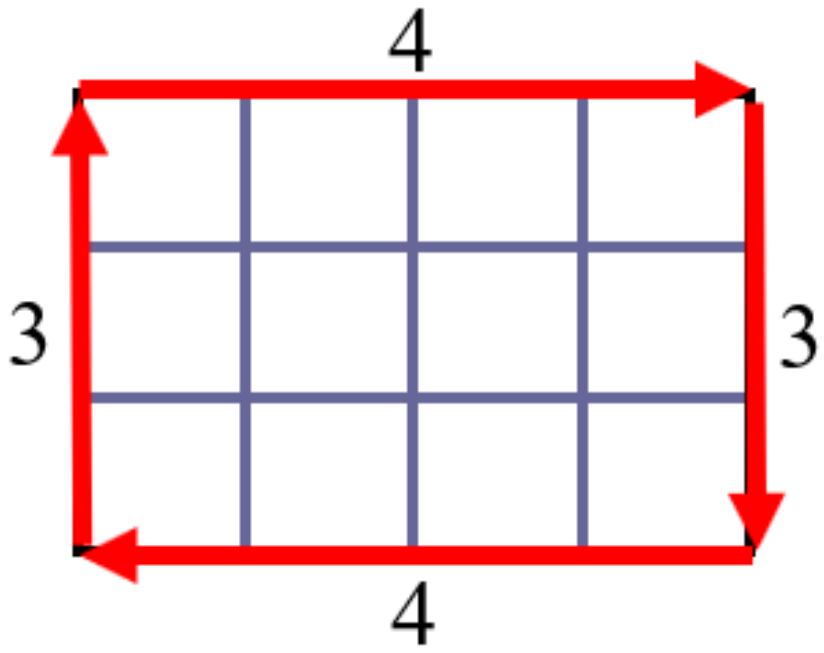
4 x 3 = 12

Area = 12 square units

Perimeter:

Units

the measure of the path or distance around any plane figure in units



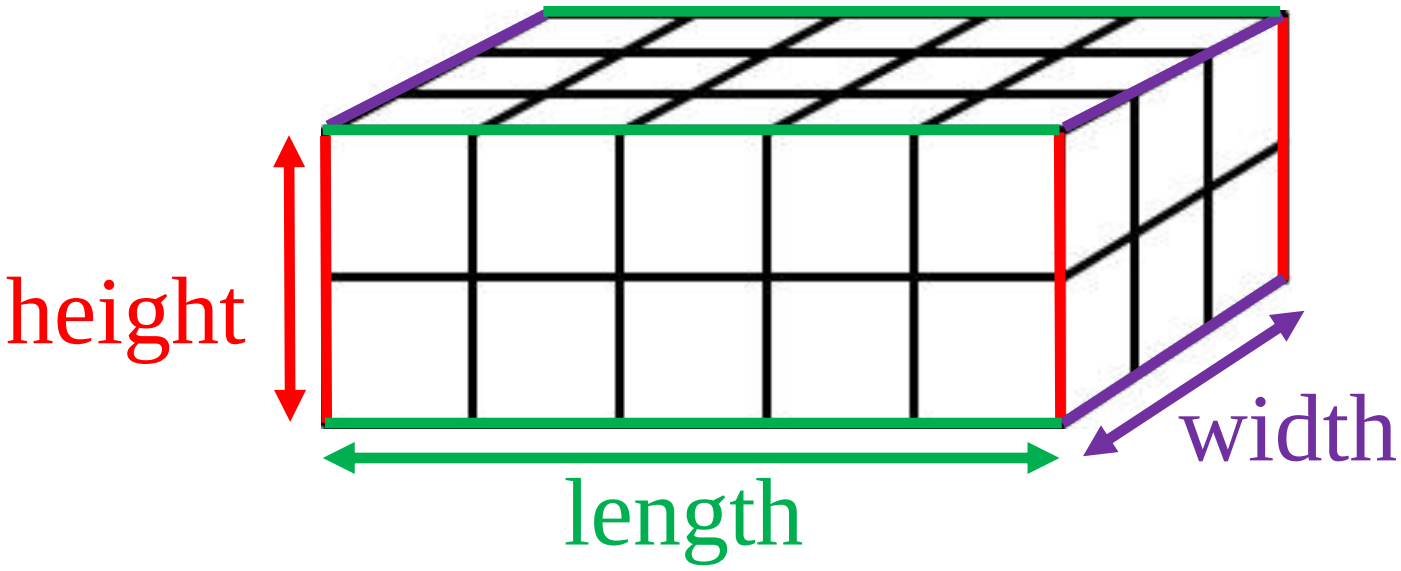
3 + 4 + 3 + 4

Perimeter = 14 units

Volume:

Height, Width, Length

the measure of capacity of a 3-D figure, measured in cubic units



l x w x h

5 x 3 x 2

Volume = 30 cubic units

Equivalent Measurements:

Kilometer, Meter, and Centimeter

1 kilometer (km) = 1,000 meters (m)

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

Equivalent Measurements:

Kilogram and Grams

1 kilogram (kg) = 1,000 grams (g)

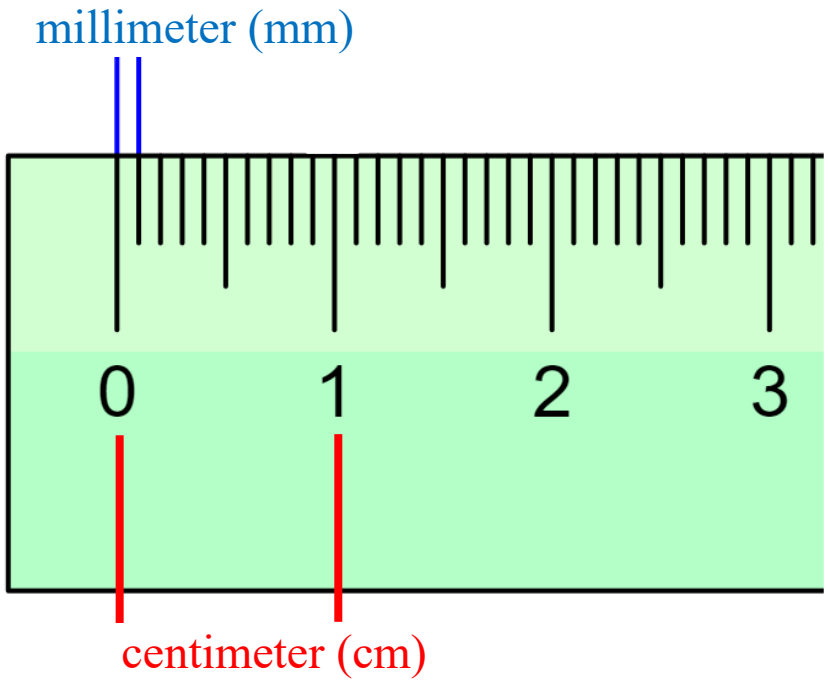
Equivalent Measurements:

Liter and Milliliters

1 liter (l) = 1,000 milliliters (ml)

Millimeters:

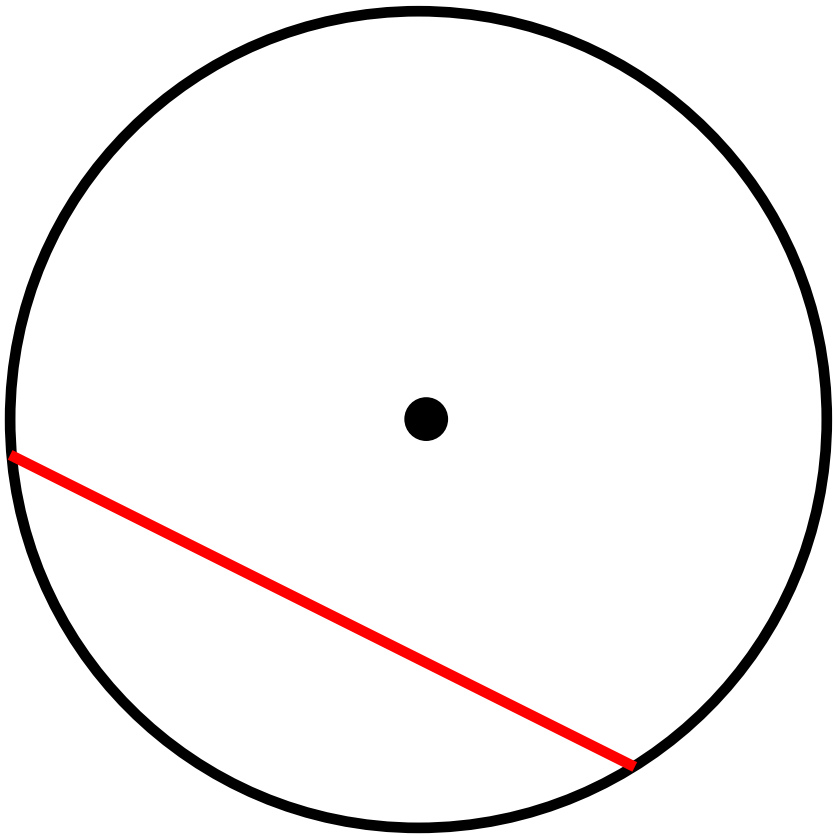
Centimeters



10 millimeters (mm) = 1 centimeter (cm)

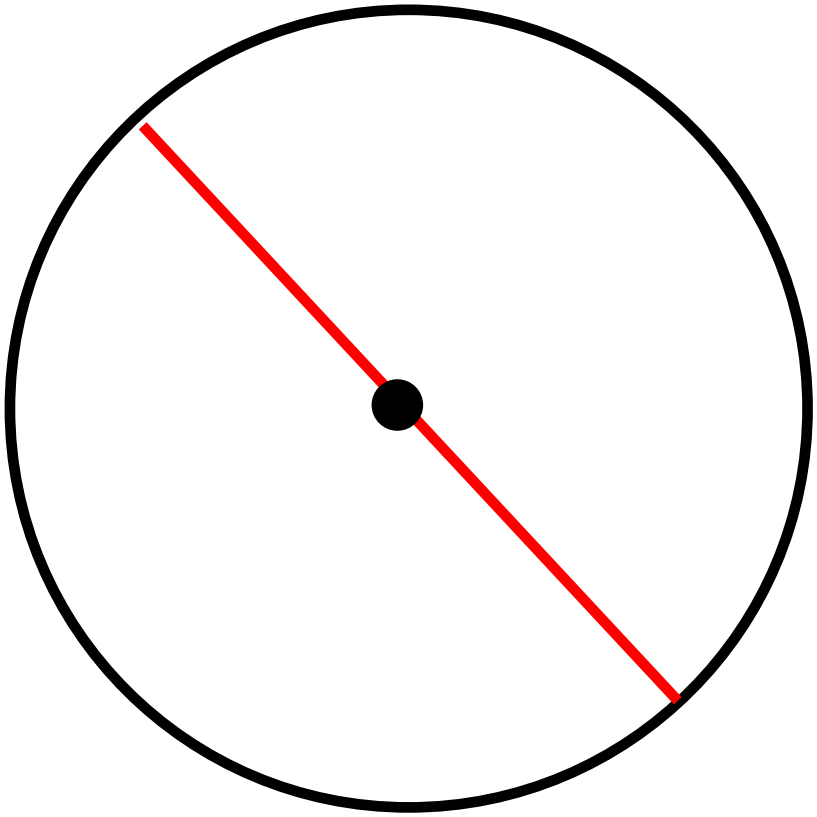
Chord

a line segment connecting any two points on a circle



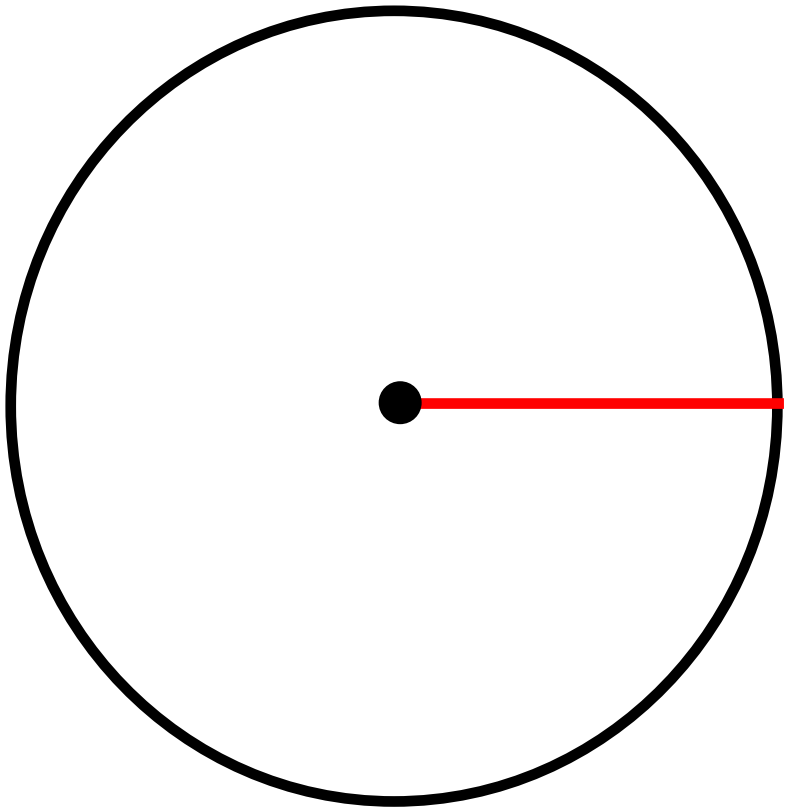
Diameter

a chord that passes through the center of a circle



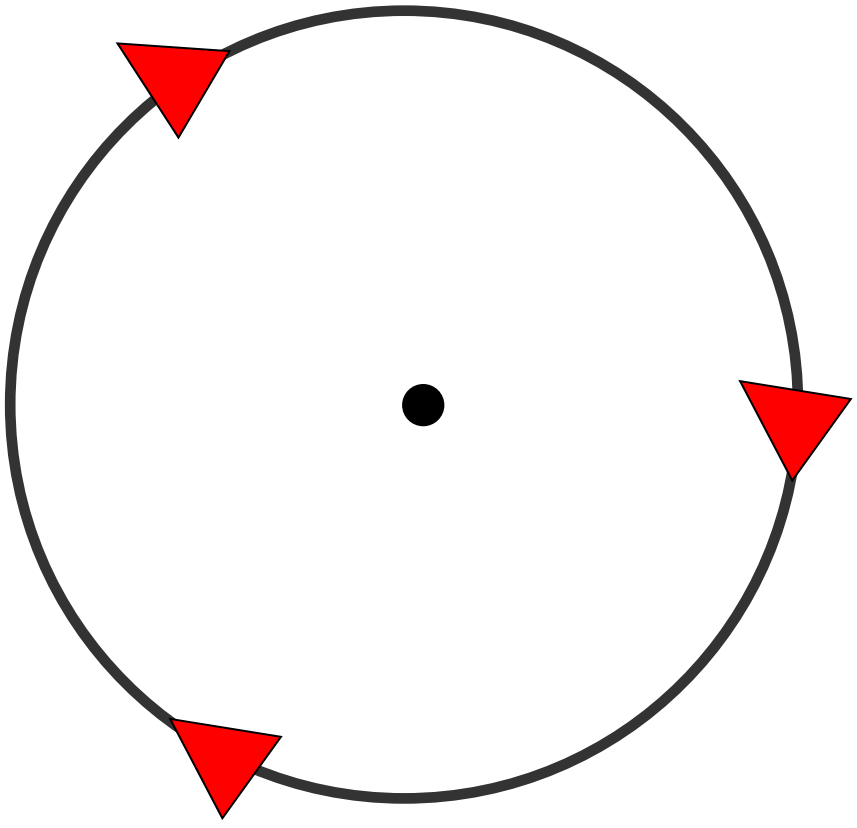
Radius

a line segment joining the center of a circle to any point on the circle

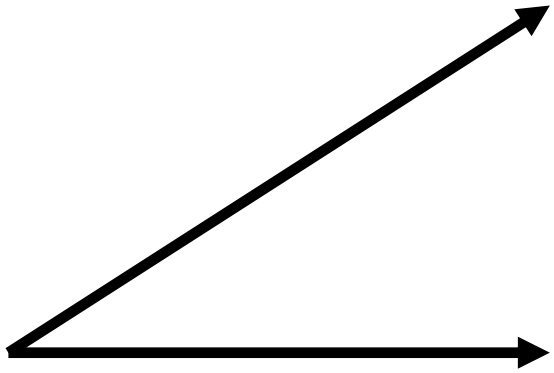


Circumference

the distance around or
"perimeter" of a circle

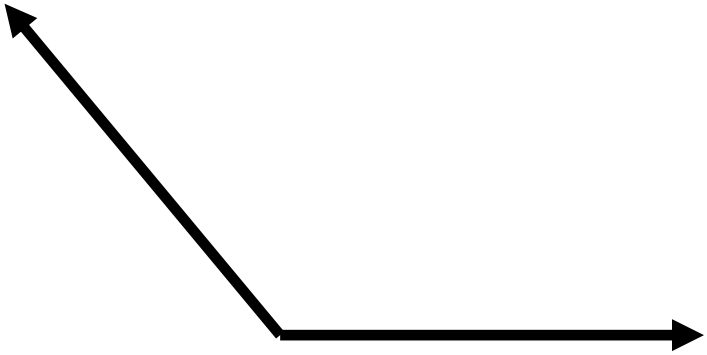


Acute Angle



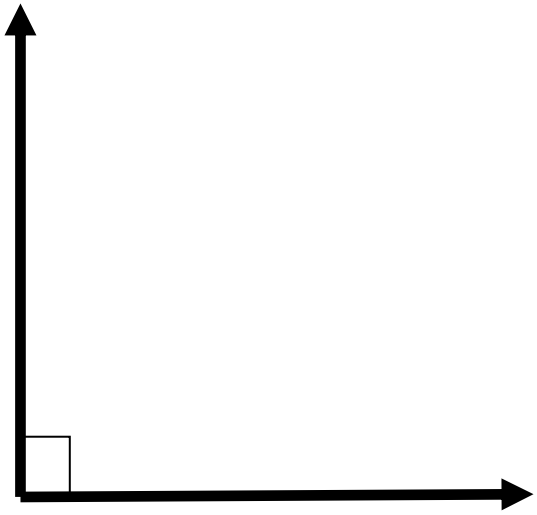
less than 90º

Obtuse Angle



greater than 90º, but less than 180º

Right Angle

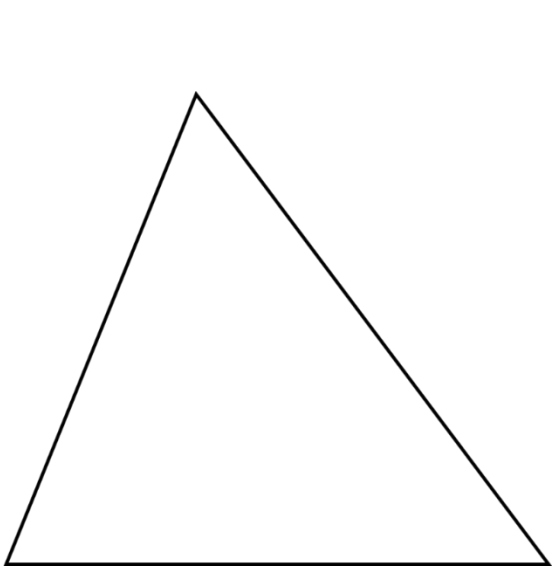


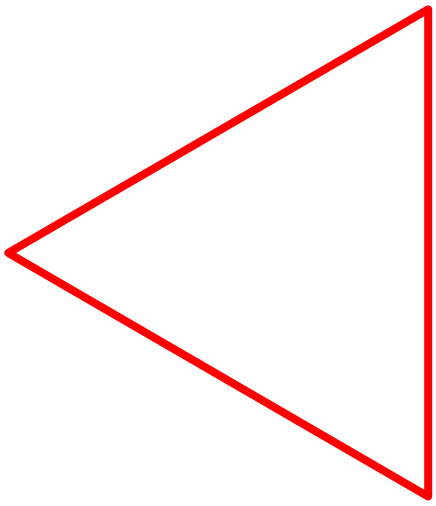
exactly 90º

Straight Angle

exactly 180º

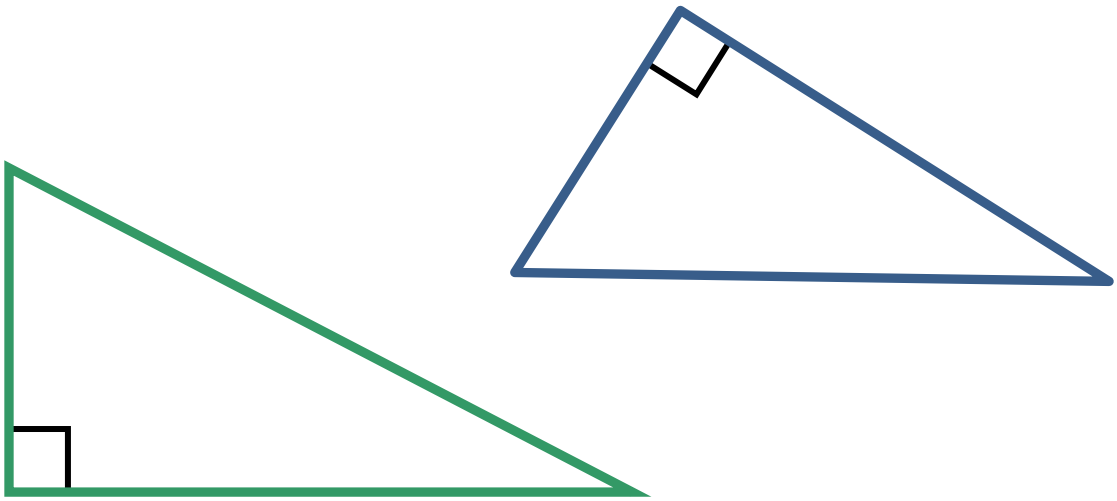
Acute Triangle





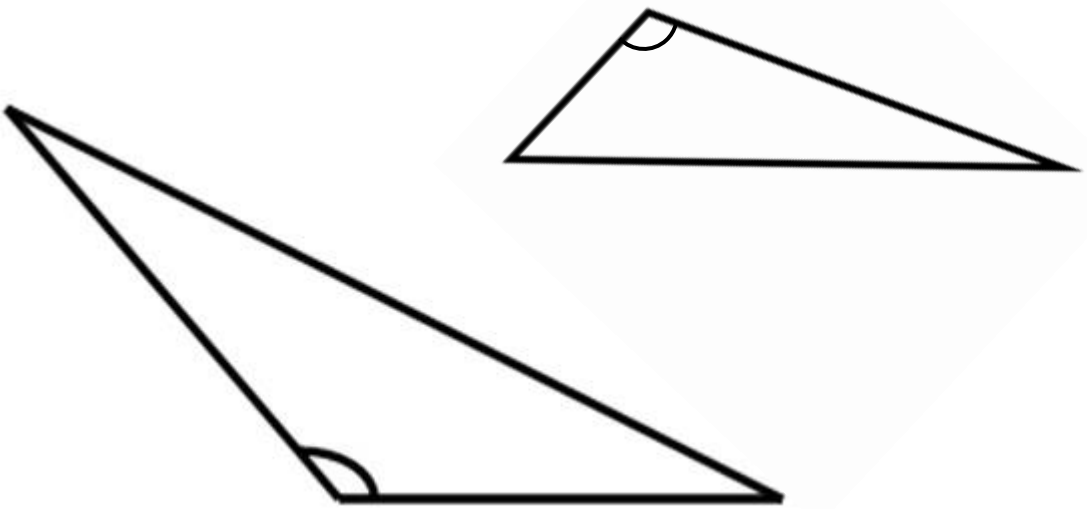
all angles less than 90º

Right Triangle



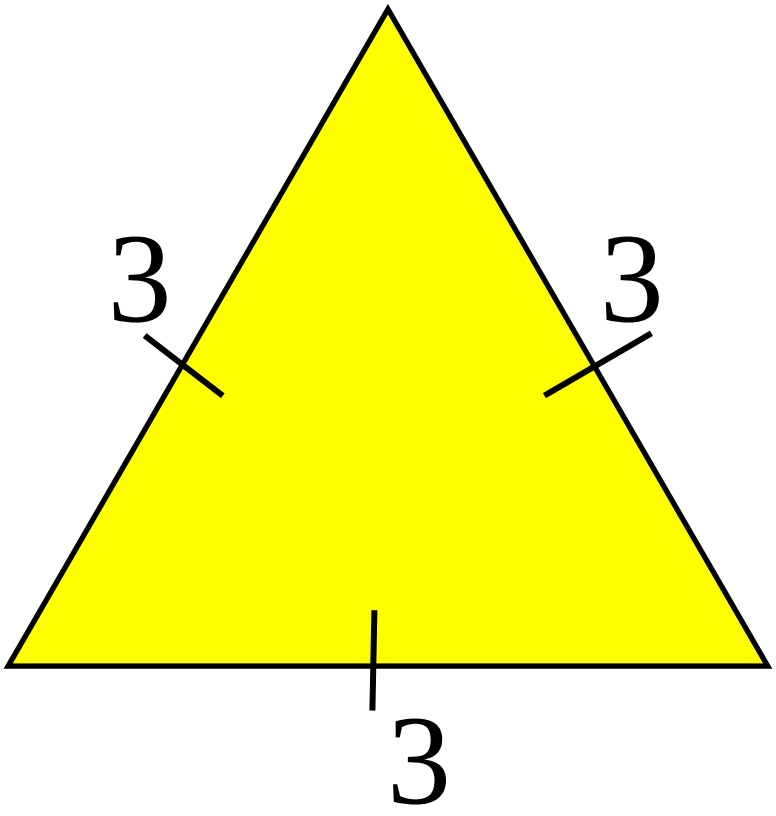
one 90º angle

Obtuse Triangle

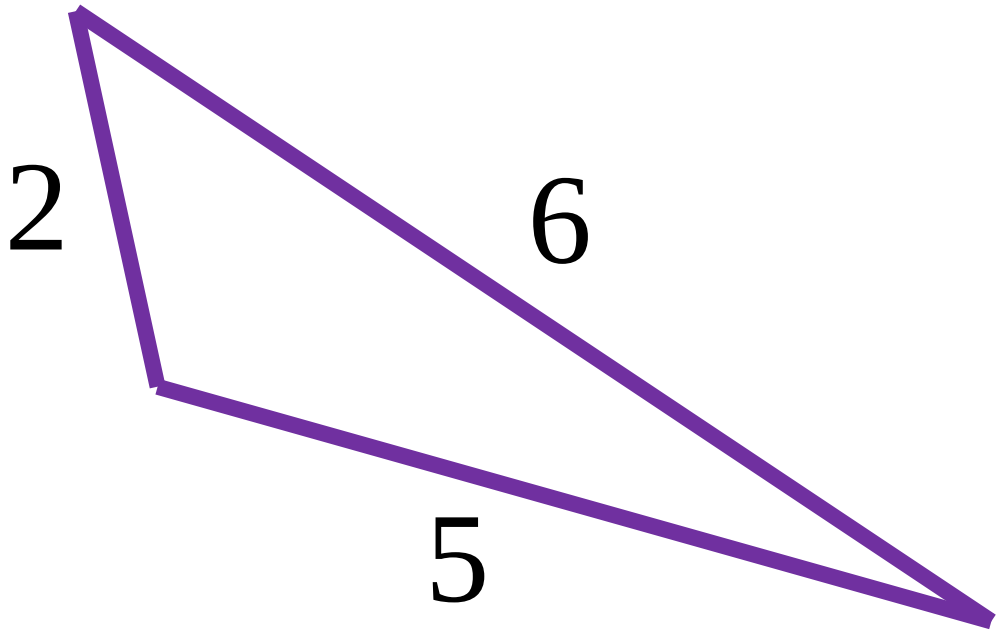


one angle greater than 90º

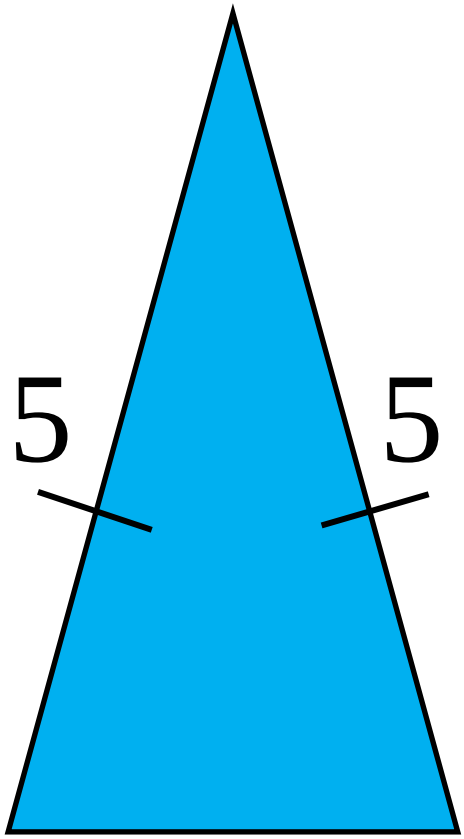
Equilateral Triangle



Scalene Triangle

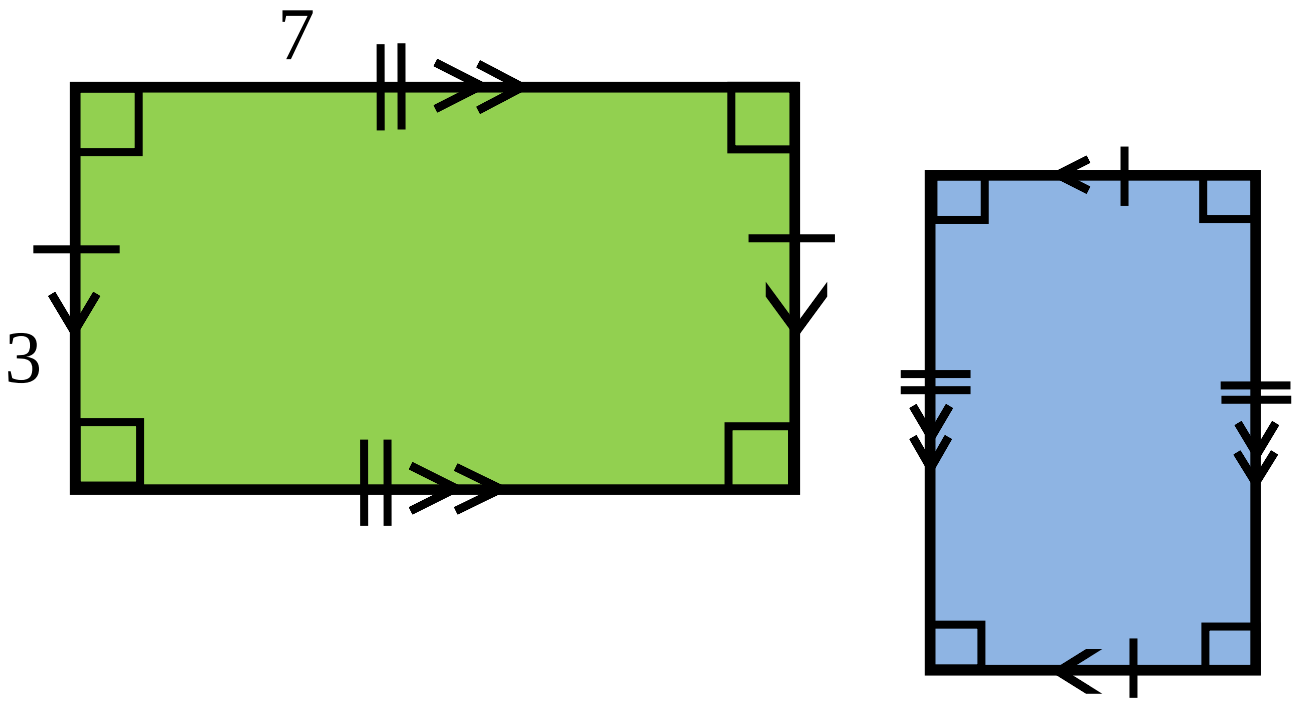


Isosceles Triangle



Rectangle:

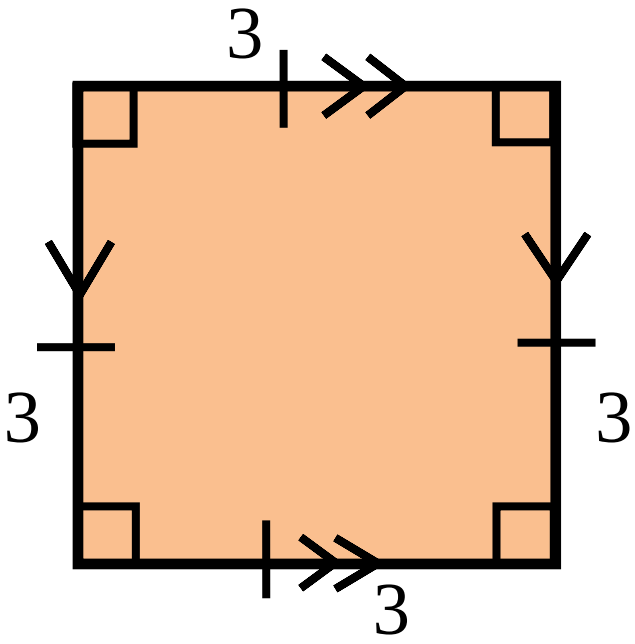
Right Angle

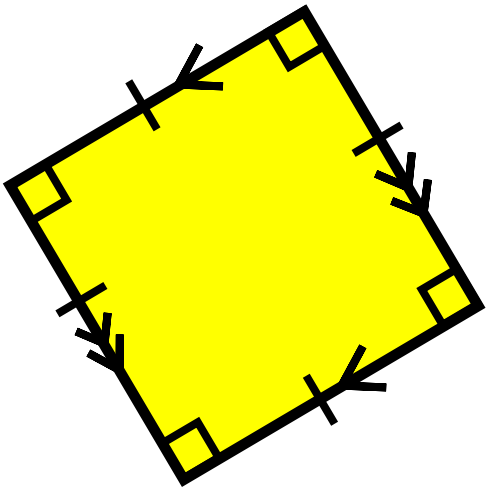


- 4 right angles
- opposite sides are parallel and congruent

Square:

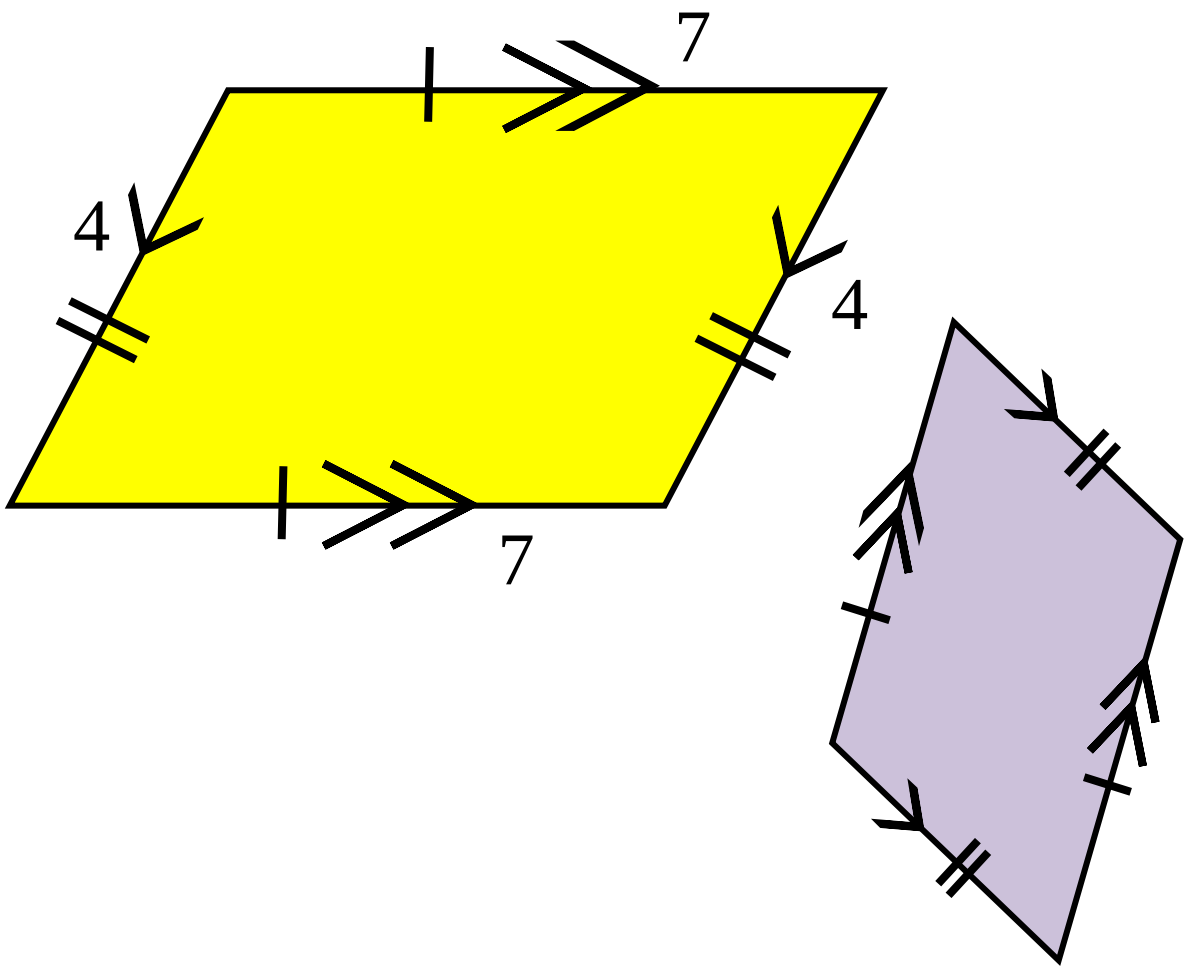
Right Angle





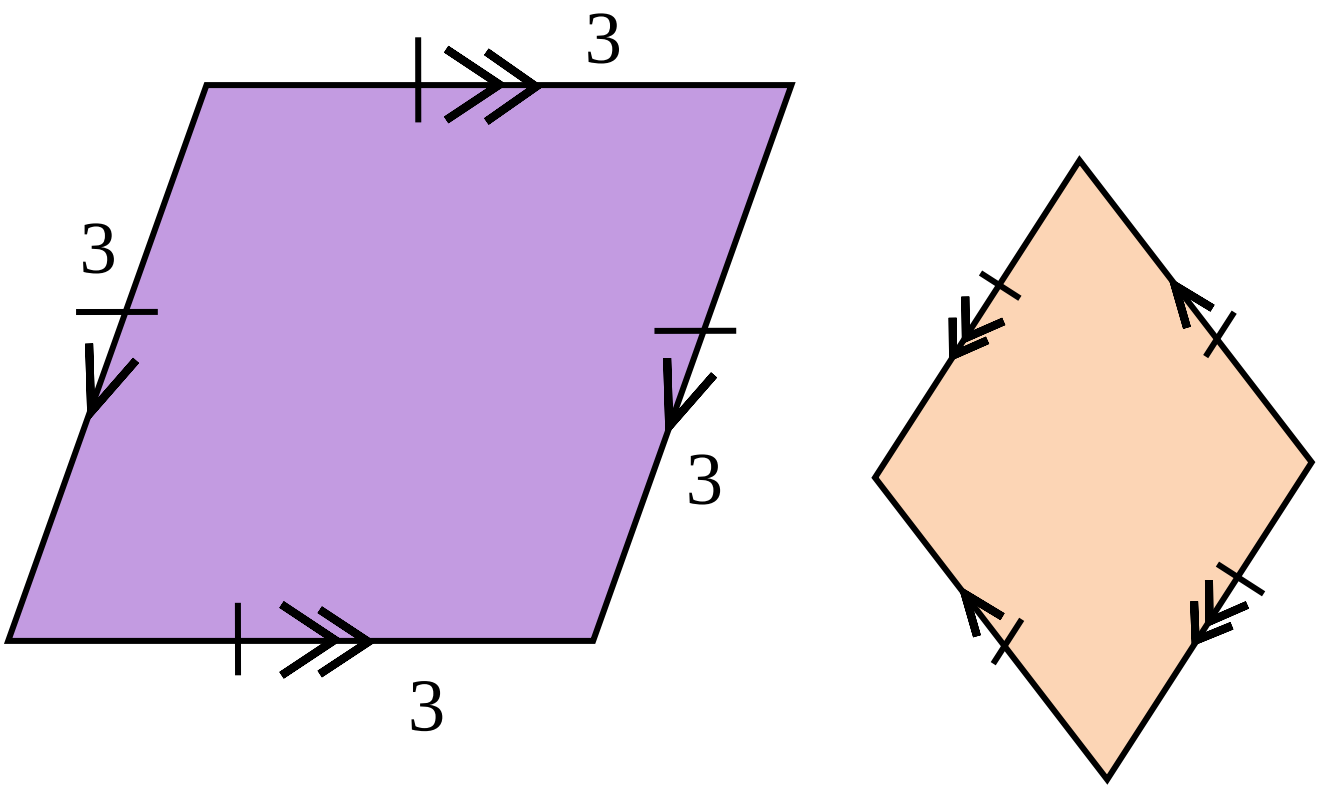
- 4 right angles
- 4 congruent sides
- 2 pairs of parallel sides

Parallelogram



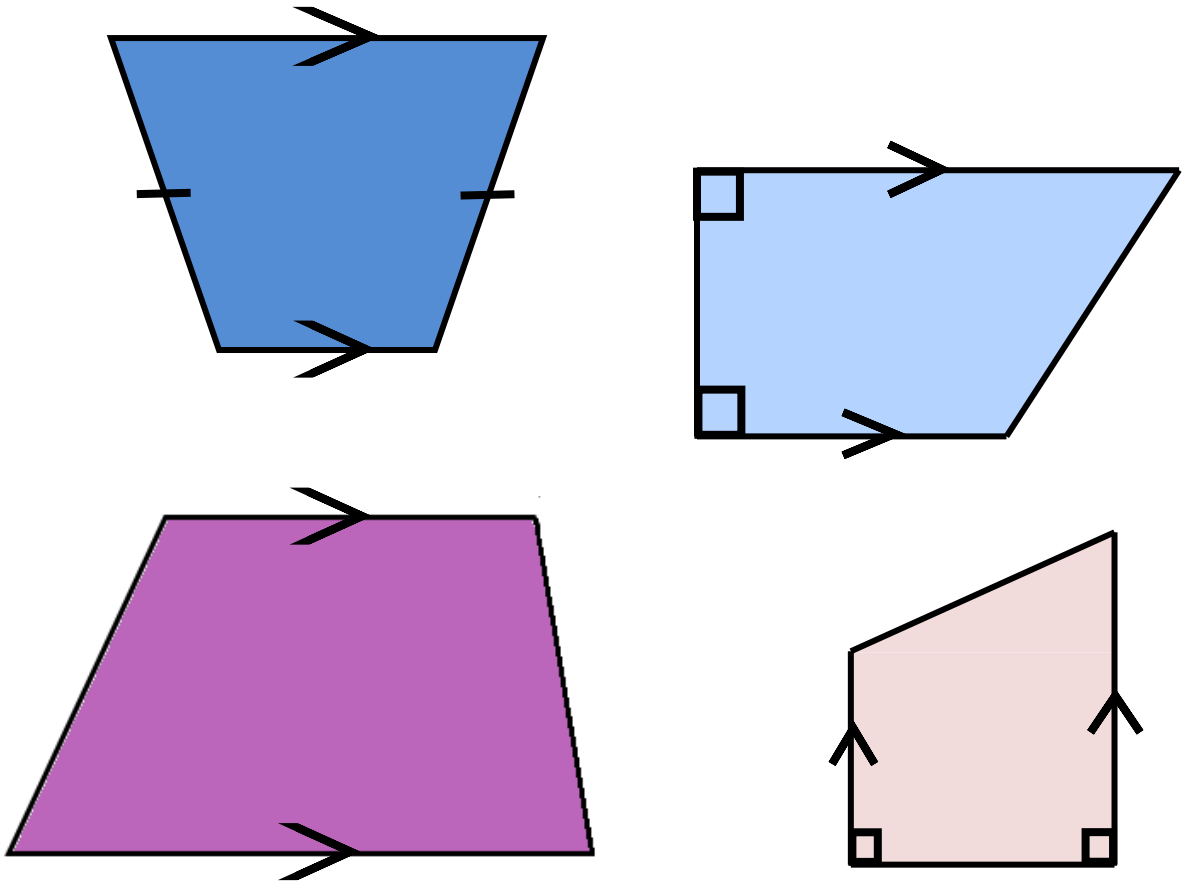
- opposite sides are parallel and congruent

Rhombus



- 4 congruent sides
- 2 pairs of parallel sides
- opposite angles are congruent

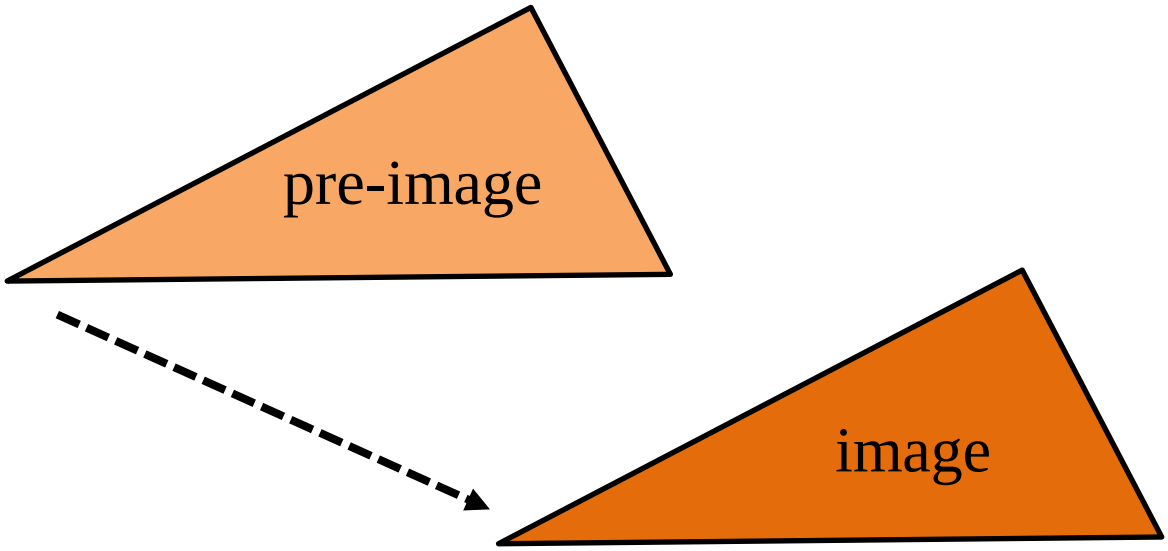
Trapezoid



- exactly one pair of parallel sides

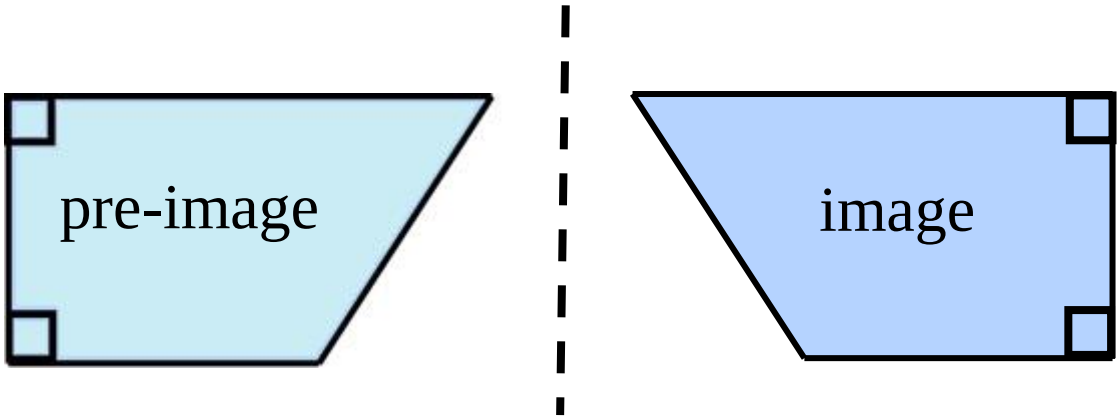
Translation

an image formed by moving every point on the preimage the same distance in the same direction



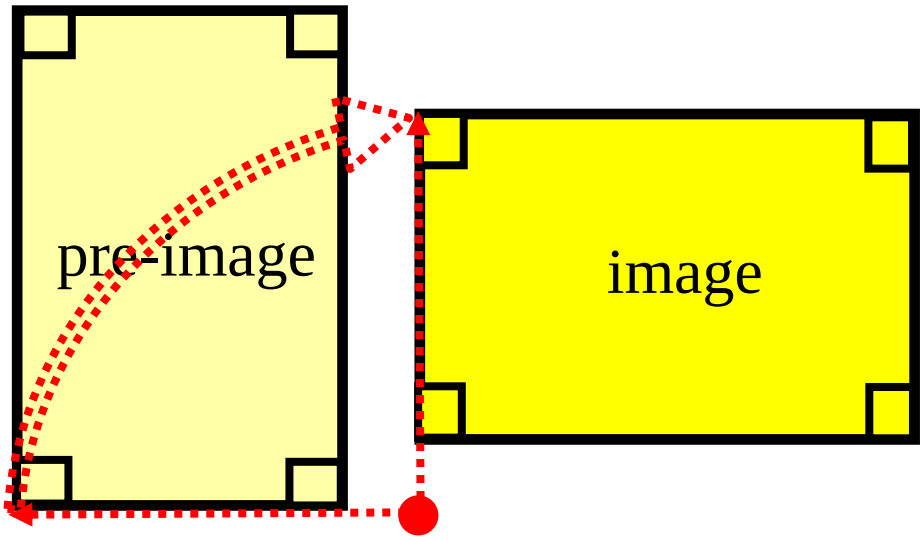
Reflection

an image formed by reflecting the preimage over a line called the line of reflection

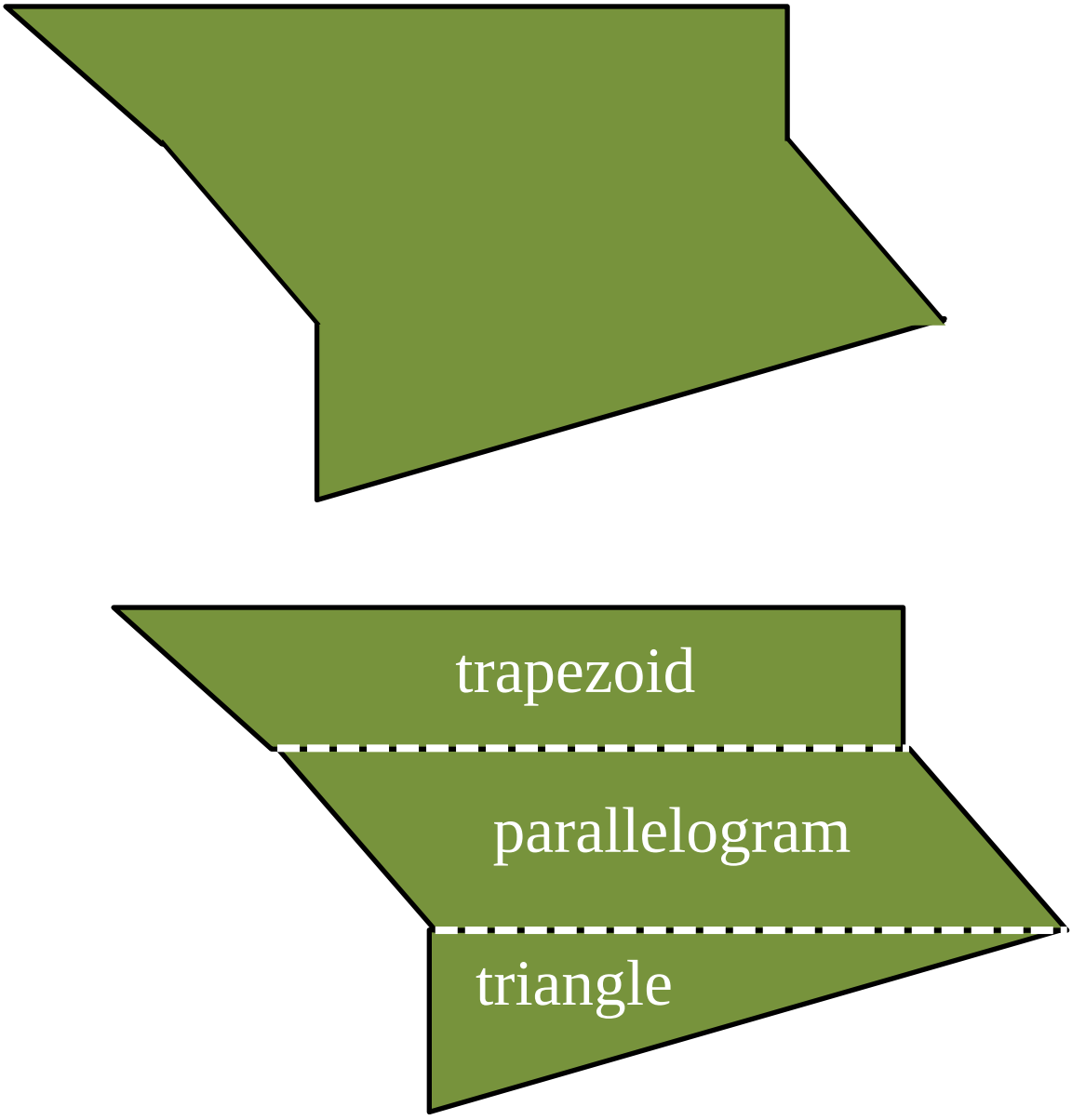


Rotation

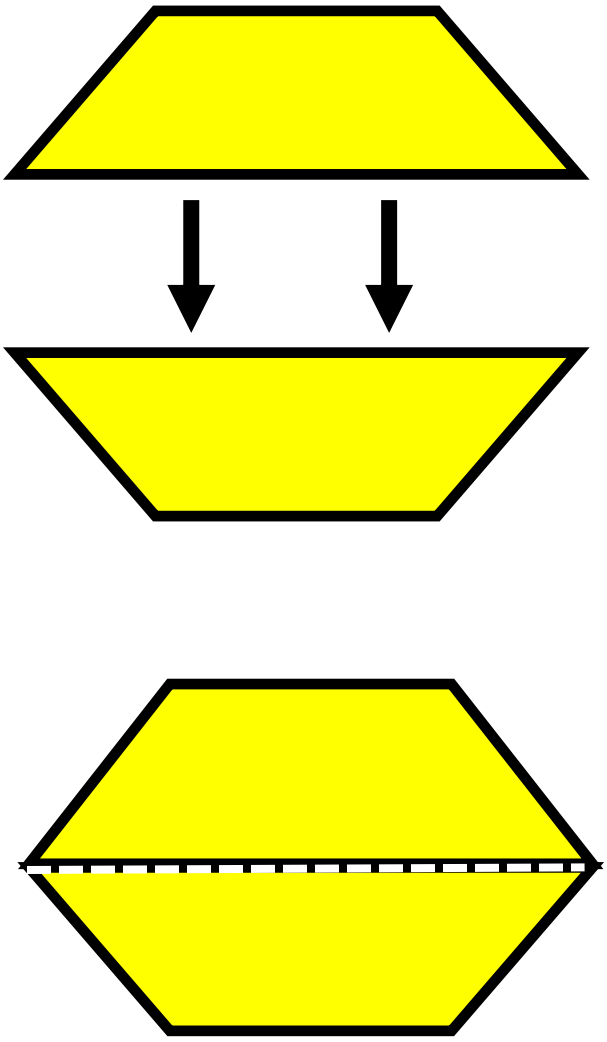
an image formed by rotating the preimage about a point called the center of rotation



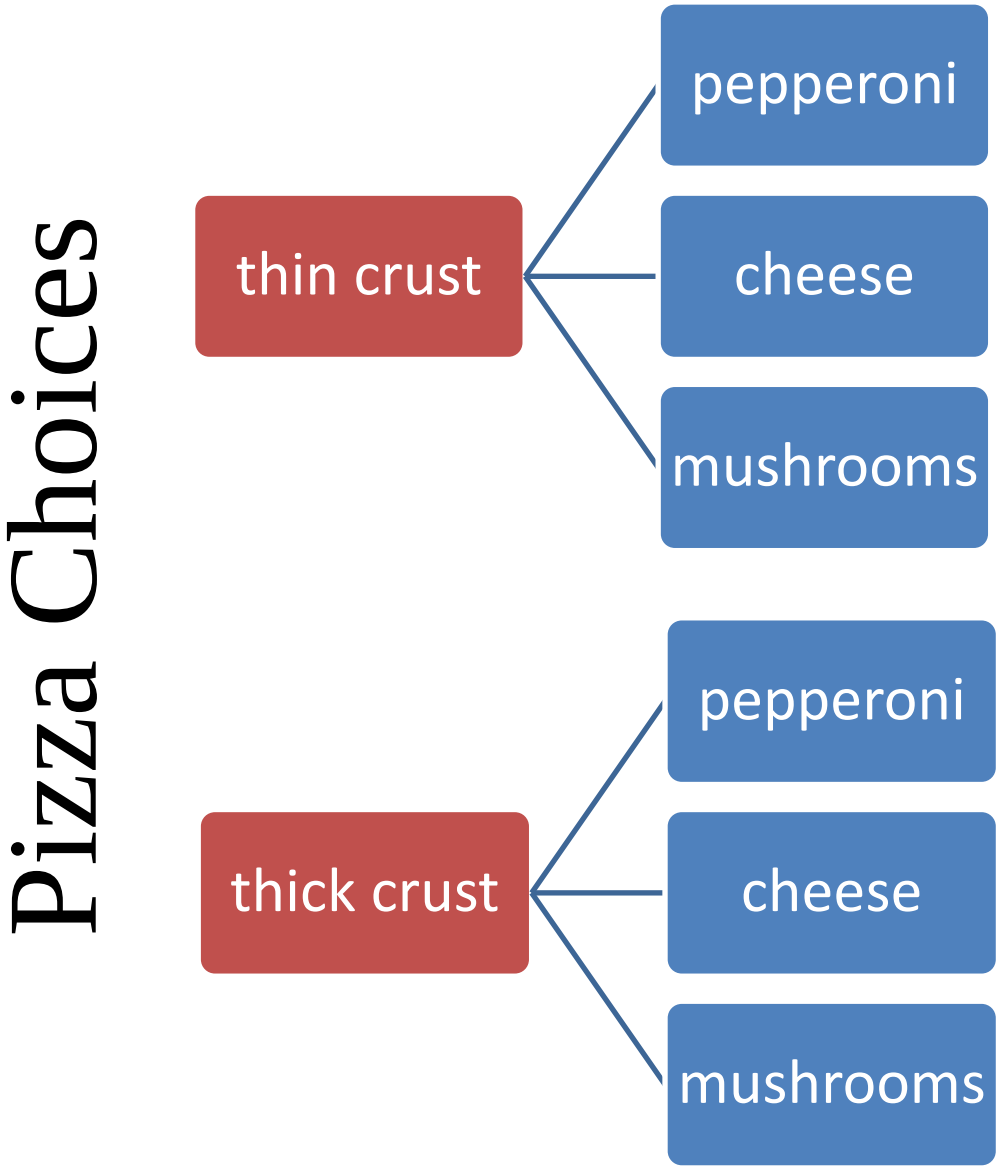
Subdivide



Combine

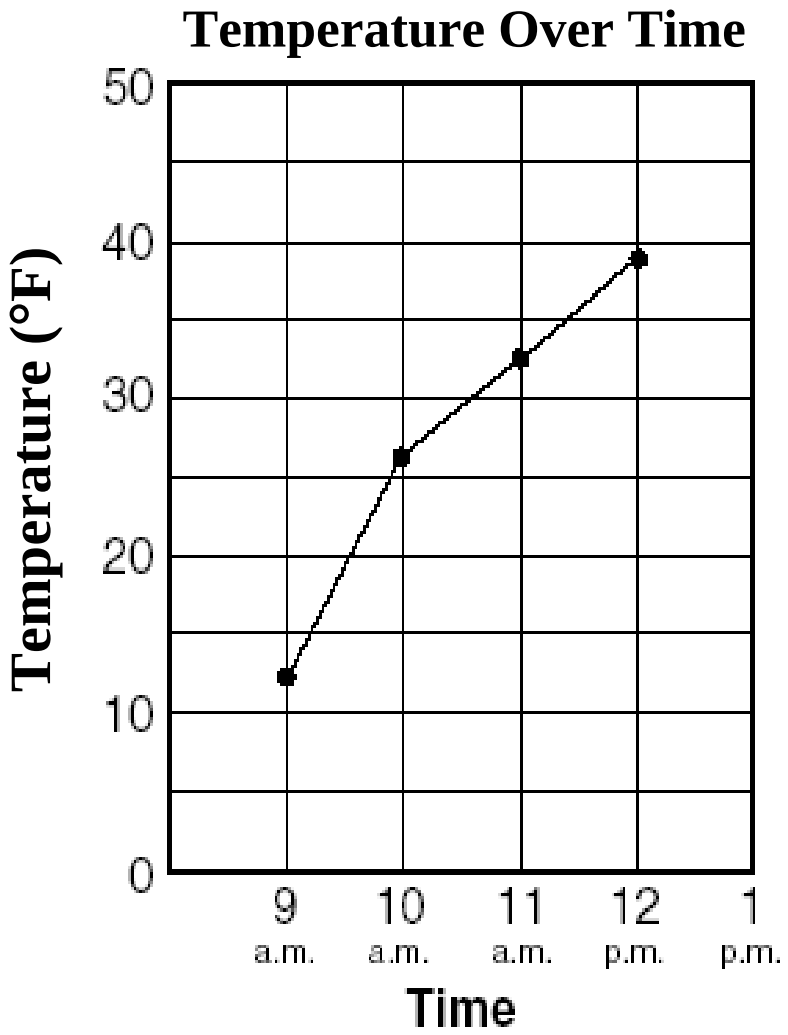


Sample Space



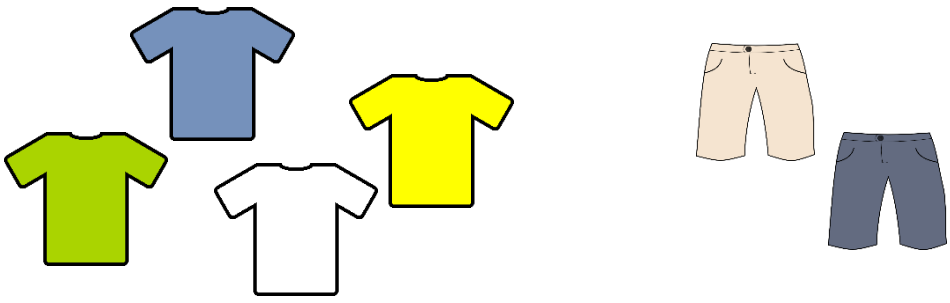
Tree Diagram

Line Graph


Temperature Over Time
Temperature (°F)
50
40
30
20
10
0
9 a.m.
10 a.m.
11 a.m.
12 p.m.
1 p.m.
Time

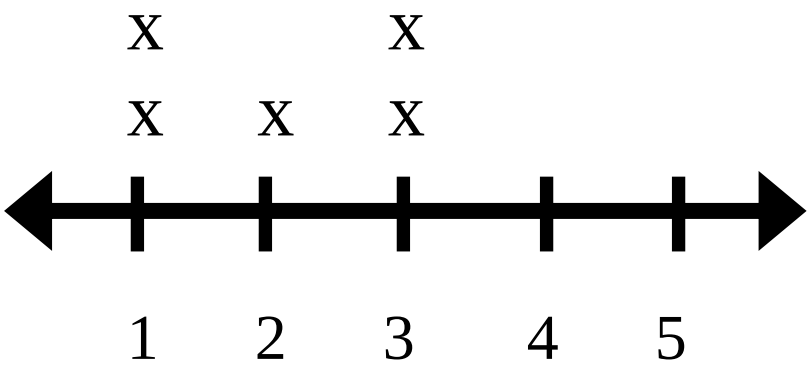
Fundamental Counting Principle

If Joe has 4 different color shirts (green, blue, white, and yellow) and 2 different color shorts (tan and black), then he has 4 x 2 or 8 different outfits to wear.



Line Plot

Number of Pets



x represents 1 student

Stem-and-Leaf Plot

Stem	Leaf
1	7, 8
2	2, 4, 5, 6, 9
3	3, 7, 9, 9
4	
5	0

Key: 1| 8 means 18

Mean

fair share or
average

6, 9, 8, 8, 9

$6 + 9 + 8 + 8 + 9 = 40$

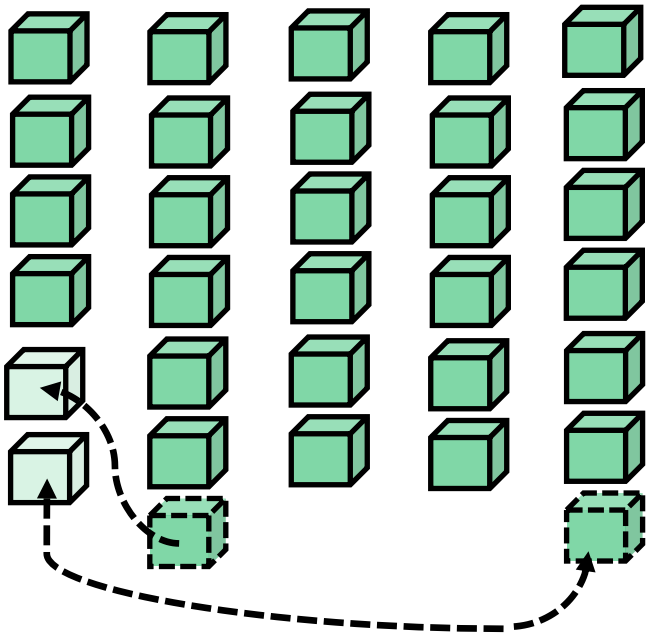
$40 \div 5 = 8$

mean = 8

Mean:

Fair Share

4, 7, 6, 6, 7



The mean is 6.

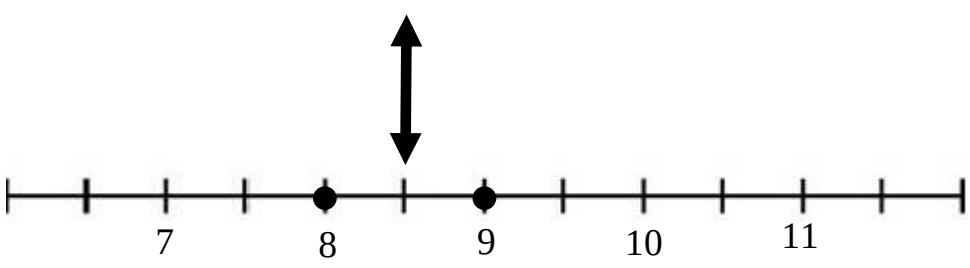
Median

the middle value of a data set in ranked order

6, 7, 8, 9, 9

8 = median

5, 6, 8, 9, 11, 12



8.5 = median

Mode

data that occurs most frequently

6, 7, 8, 9, 9
9 = mode

6, 8, 10, 11, 15, 20
no mode

2, 2, 2, 3, 7, 9, 9, 9
2 and 9 = mode

Range

the spread of a set of data

6, 7, 8, 9, 9

6 least value in the data set

9 greatest value in the data set

range = 9 – 6 = 3

Patterns

8, 10, 13, 17, __

Rule: _____	
Input	**Output**
4	**11**
5	**12**
6	**13**
10	**17**

Rule: _____	
Input	**Output**
145	**130**
100	**85**
75	**60**
50	**?**

Rule: _____	
Input	**Output**
2	**8**
4	**16**
?	**20**
8	**32**

Expression

a representation of a quantity

12.8

14×351

$45 \div 8$

Variable Expression

an expression that contains numbers, operations, and variables

$4 + s$

variable

Equation

$3 + 5 = 10 - 2$

$6 - x = 4$

$12 \div 4 = y$

$8n = 56$

Equality

=

$400 - 177 = 399 - 176$

$25 \times 5 = 250 \div 2$

$1.8 \times 5 = 18 \div 2$

Inequality

$\neq$

$5 + 6 \neq 11 - 5$

$9 - \frac{8}{9} \neq 2\frac{2}{3} \times 3$

$0.5 \text{ x } 7 \neq 3.5 + 5$