Mathematics Vocabulary Cards – Grade 5

Table of Contents

Number and Number Sense
Decimal Place Value
Mixed Number
Equivalent Fractions
Prime Numbers
Composite Numbers
Even and Odd Numbers

Computation and Estimation
Fraction: Addition
Fraction: Subtraction

Measurement
Area: Square units
Perimeter: Units
Volume: Height, Width, Length
Equivalent Measurements: Kilometer, Meter, Centimeter
Equivalent Measurements: Kilogram, Grams
Equivalent Measurements: Liter, Milliliters
Millimeter: Centimeter
Chord
Diameter
Radius
Circumference
Acute Angle
Obtuse Angle
Right Angle
Straight Angle

Geometry
Acute Triangle
Right Triangle
Obtuse Triangle
Equilateral Triangle
Scalene Triangle
Isosceles Triangle
Protractor

Geometry (continued)
Rectangle: Right Angle
Square: Right Angle
Parallelogram
Rhombus
Trapezoid
Subdivide
Combine

Probability and Statistics
Sample Space
Line Graph
Stem-and-Leaf Plot
Measures of Center
Mean as Fair Share
Mean
Median
Mode
Range

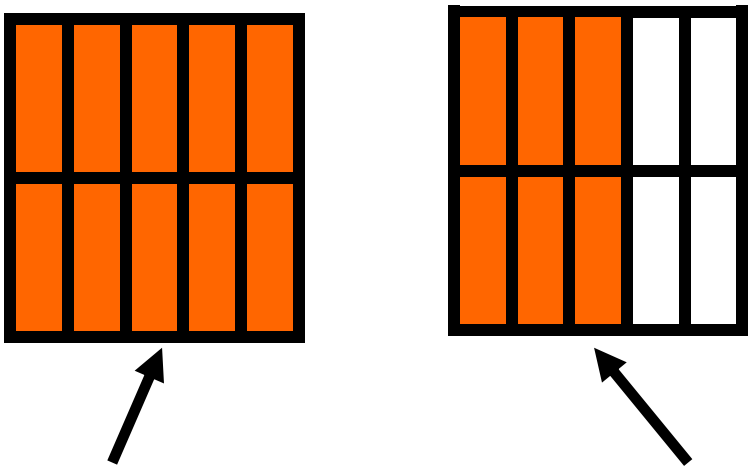
Patterns, Functions and Algebra
Patterns
Open Sentence
Variable Expression
Identity Property: Addition and Multiplication
Commutative Property: Addition and Multiplication
Associative Property: Addition and Multiplication
Distributive Property
Number Line
Equation
Equality

Decimal Place Value

Ones		Tenths	Hundredths	Thousandths
3	.	7	2	1

decimal point

Mixed Number

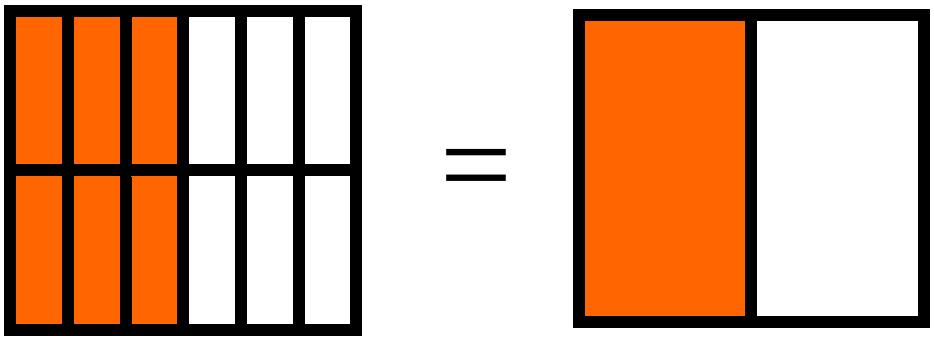


whole fraction

$$1\frac{6}{10}$$

Equivalent

$$\frac{6}{12} = \frac{1}{2}$$



$$\frac{1}{2} = 0.5$$

Prime Number

has exactly two different factors, 1 and itself

2, 3, 5…97

Composite Number

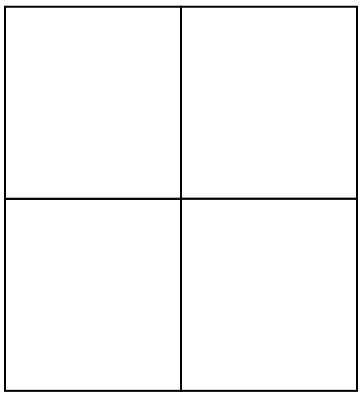
has more than two different factors

$1 \times 6 = 6$

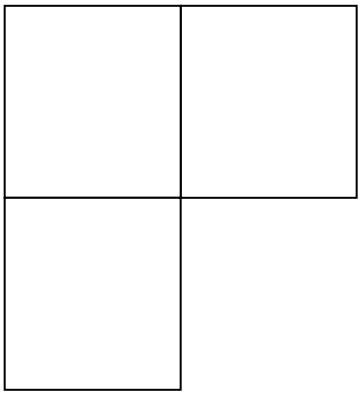
$2 \times 3 = 6$

factors of 6: 1, 2, 3, 6

Even and Odd Numbers



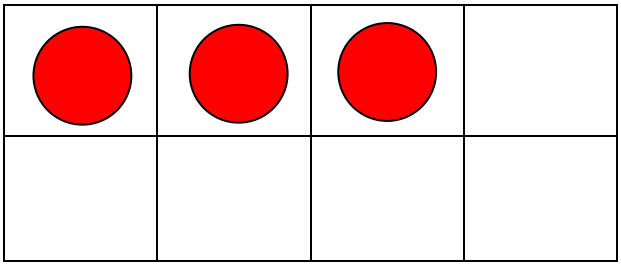
4 - even

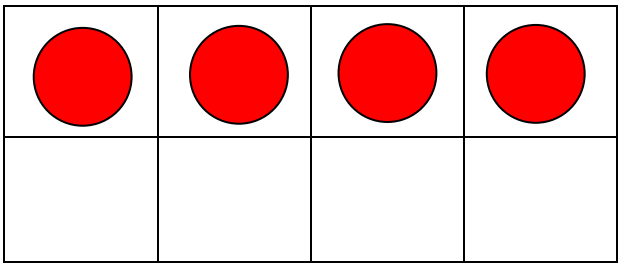


3 - odd

Fraction Addition

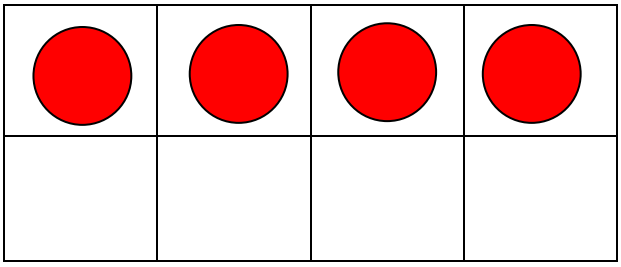
$$\frac{3}{8} + \frac{4}{8} = \_\_\_\_$$

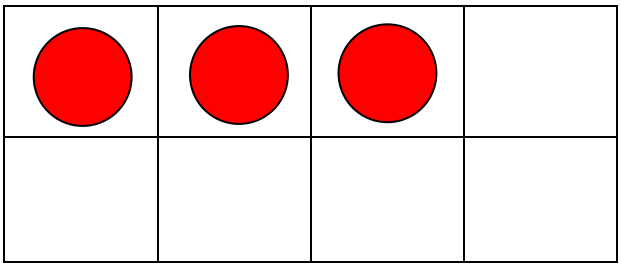




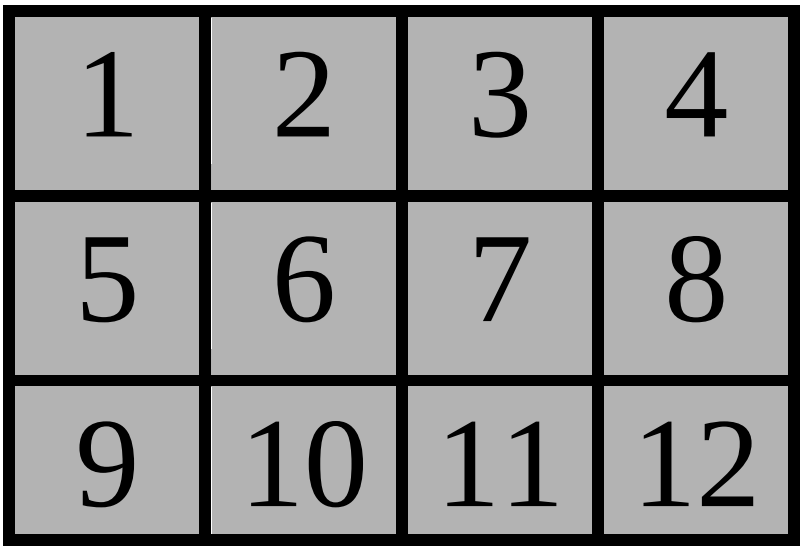
Fraction Subtraction

$$\frac{4}{8} - \frac{3}{8}$$



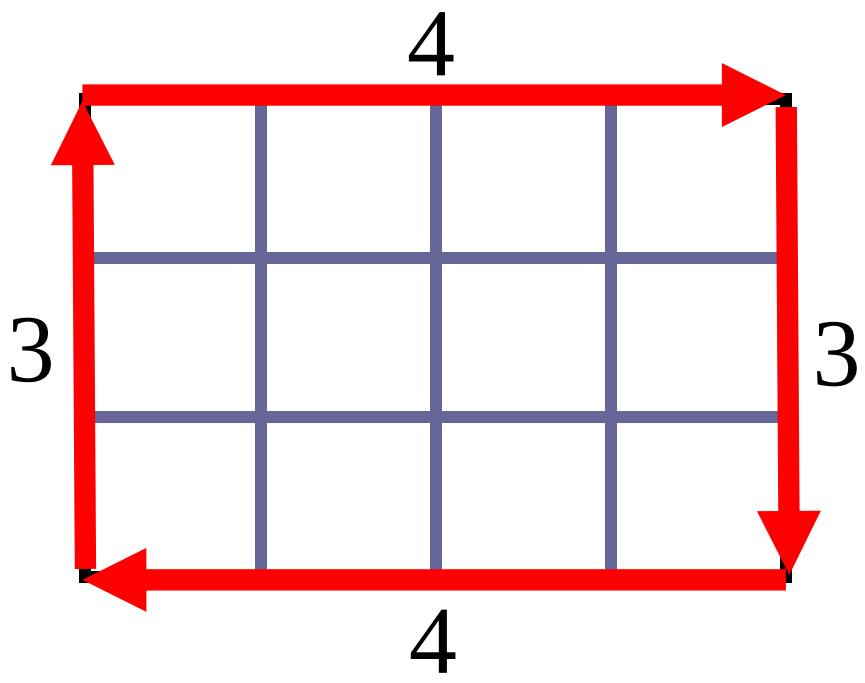


Area



12 square units

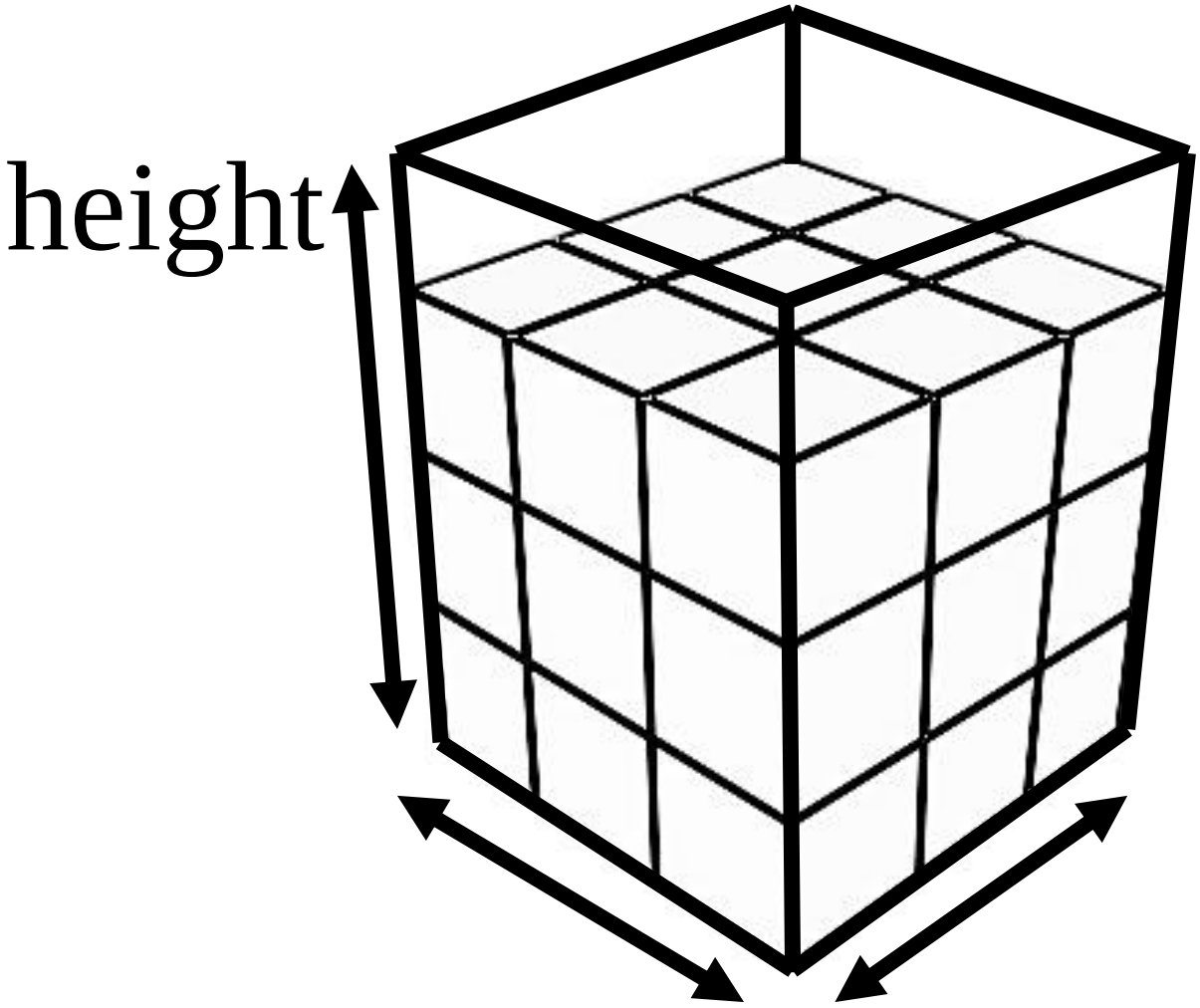
Perimeter



3 + 4 + 3 + 4

14 units

Volume



Equivalent Measurements

1 kilometer = 1,000 meters

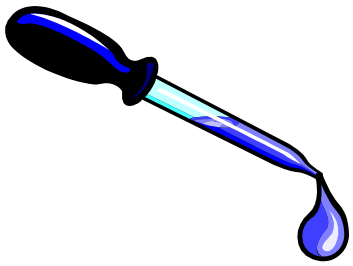
1 meter = 100 centimeters

1 centimeter = 10 millimeters

Equivalent Measurements

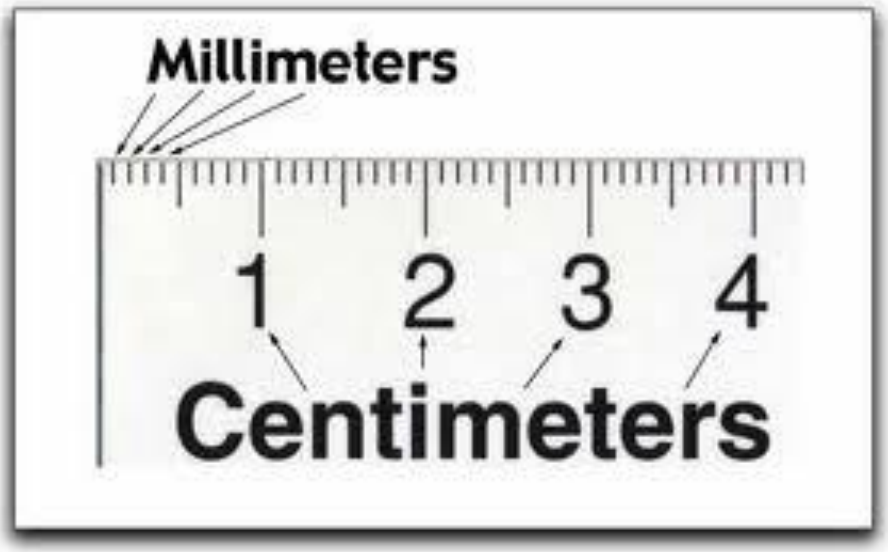
1 kilogram = 1,000 grams

Equivalent Measurements



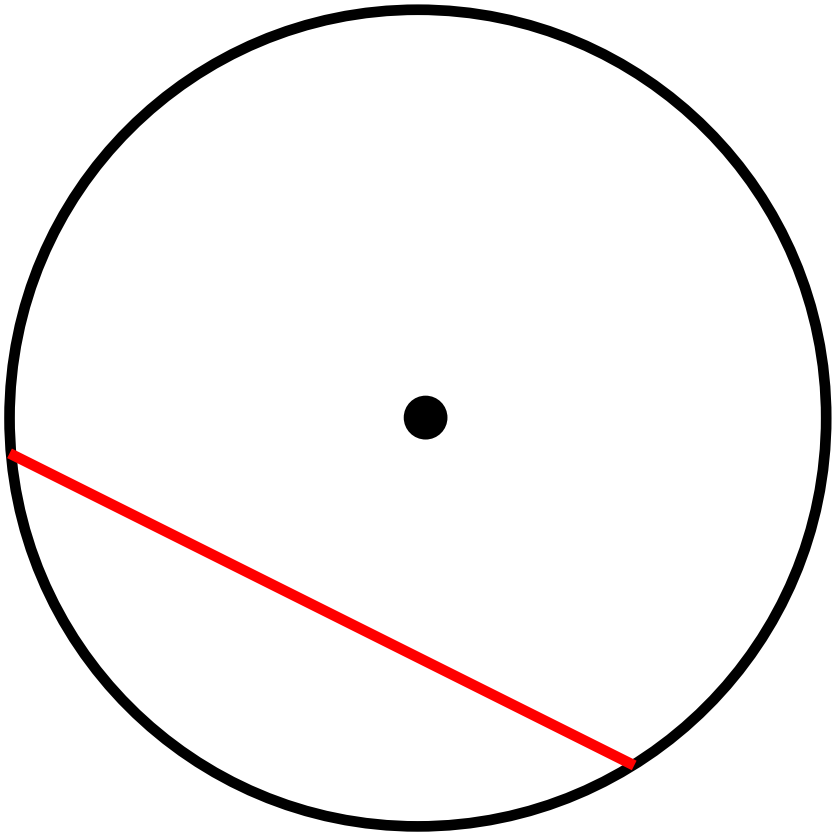
1 liter = 1,000 milliliters

Millimeter

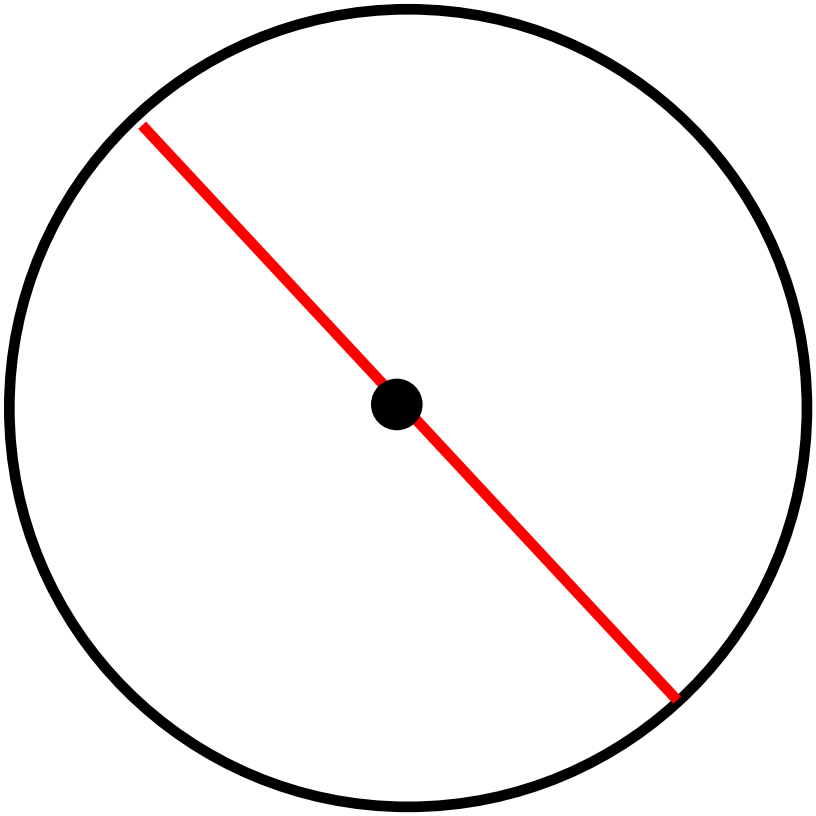


10 millimeters = 1 centimeter

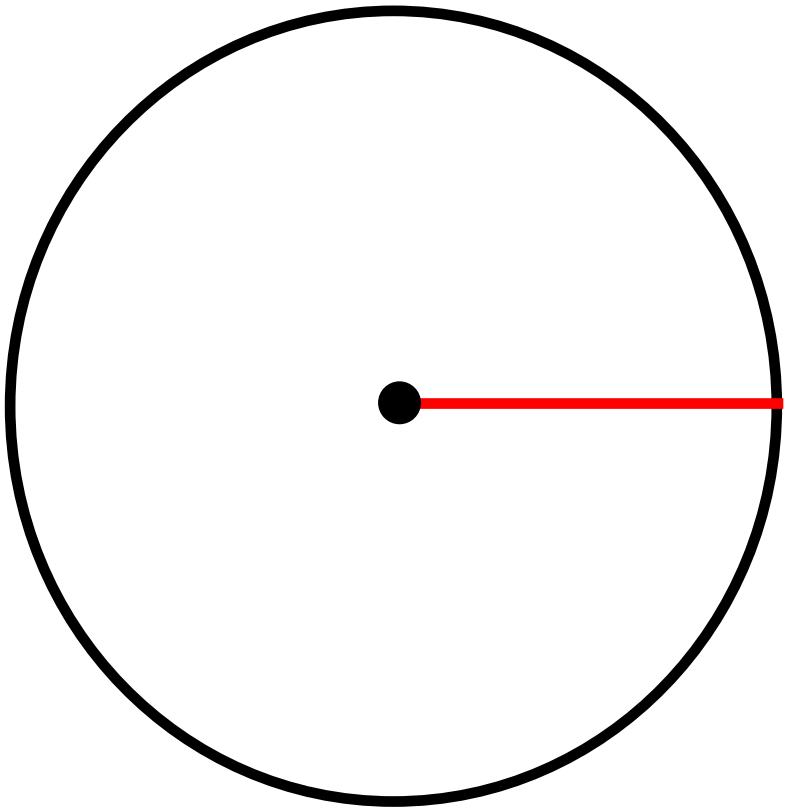
Chord



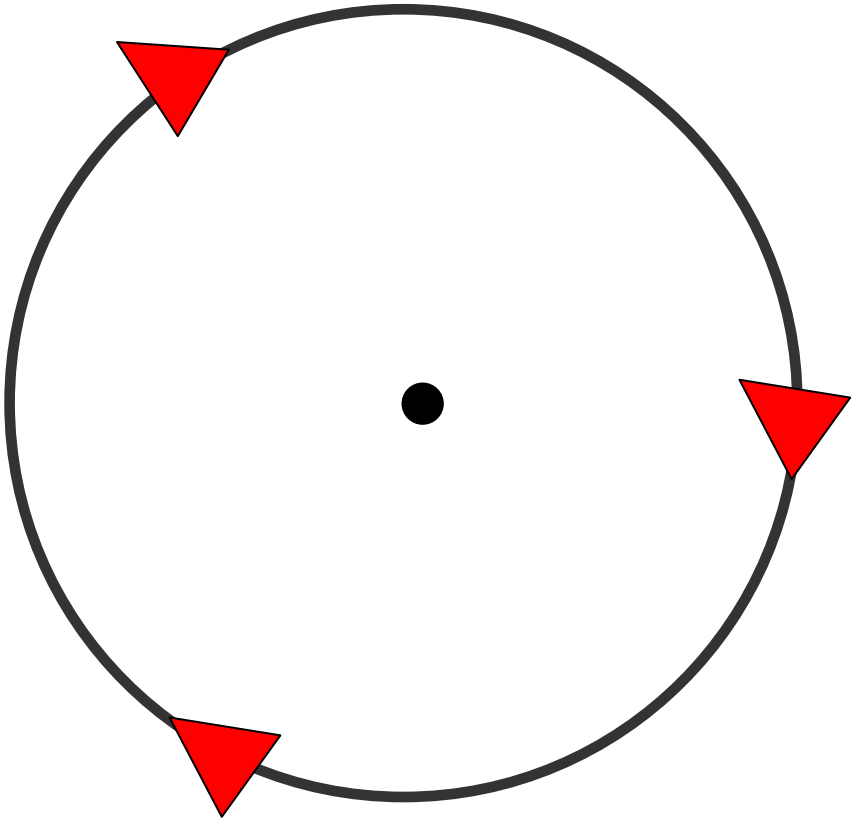
Diameter



Radius

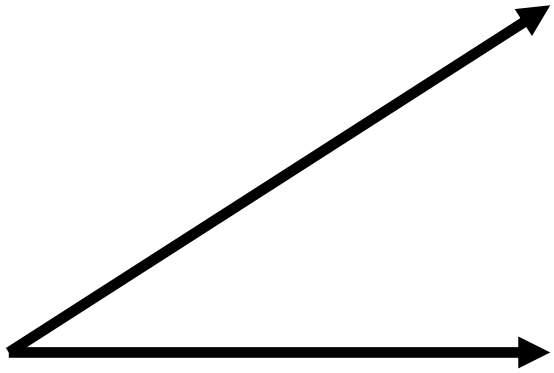


Circumference



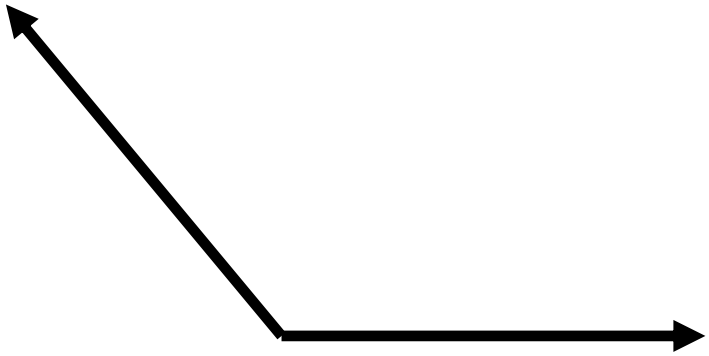
perimeter

Acute Angle



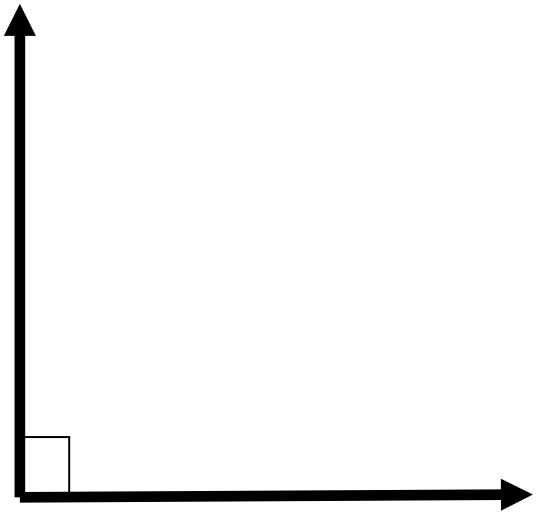
less than 90º

Obtuse Angle



greater than 90º, but less than 180º

Right Angle

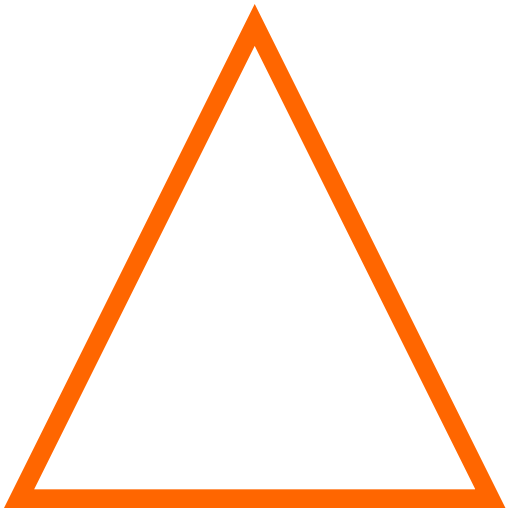


exactly 90º

Straight Angle

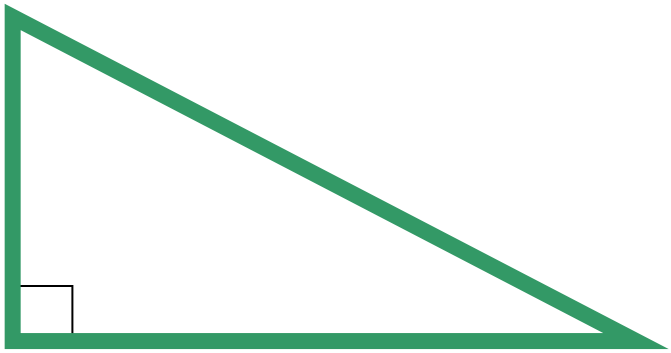
exactly 180º

Acute Triangle



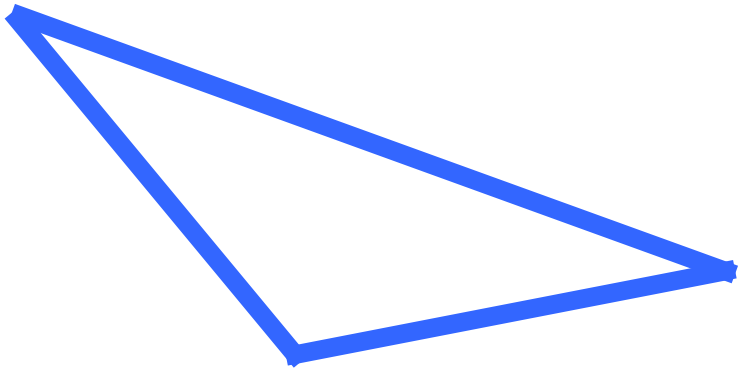
all angles less than 90 º

Right Triangle



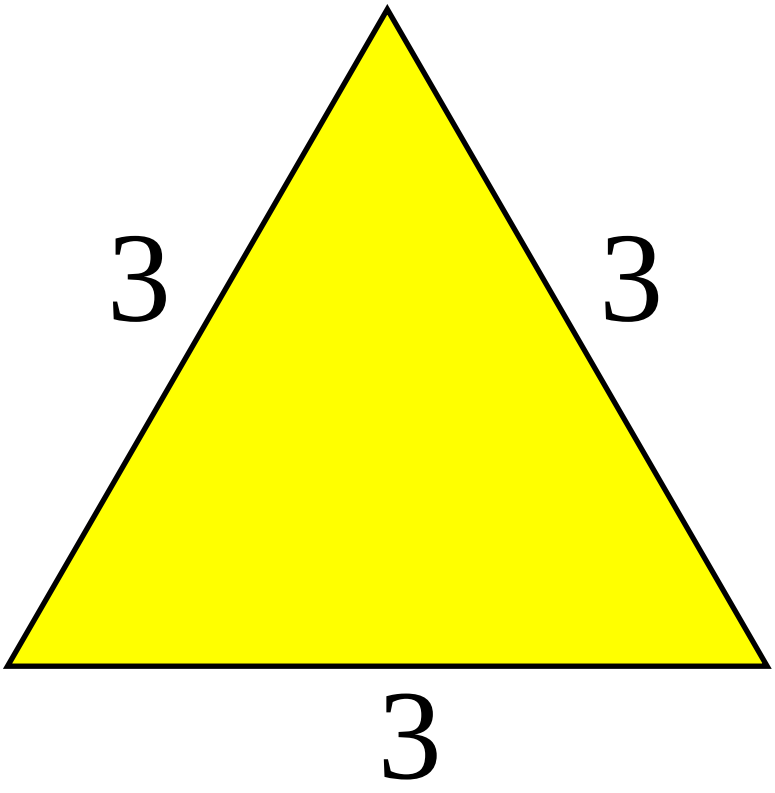
one 90 º angle

Obtuse Triangle

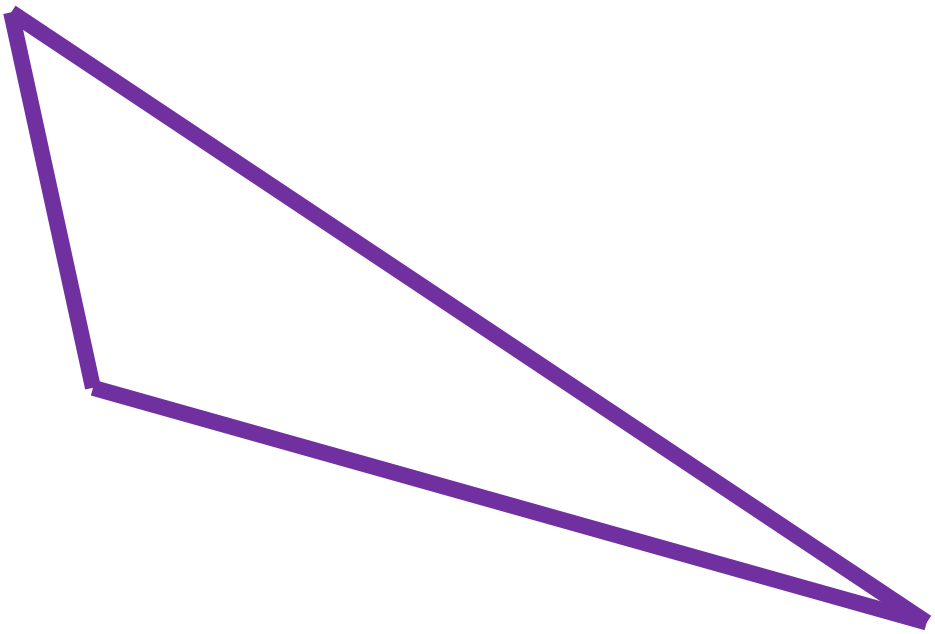


one angle greater than 90º

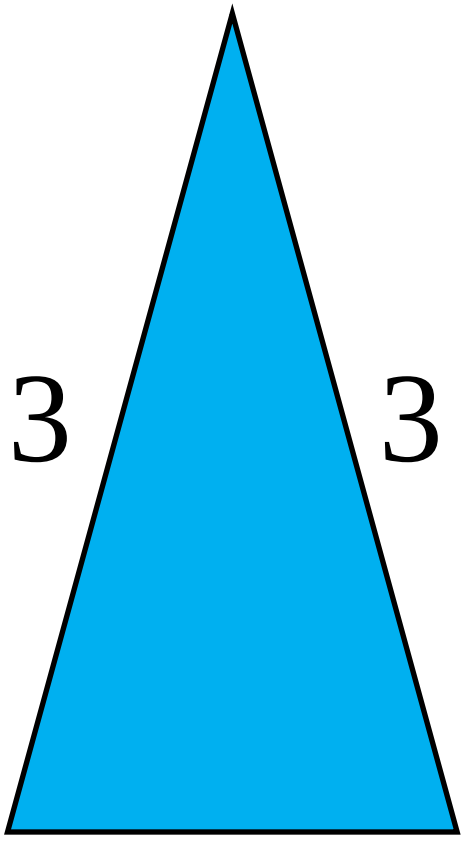
Equilateral Triangle



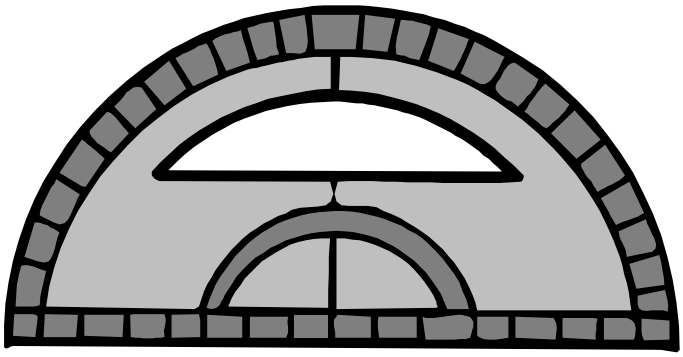
Scalene Triangle



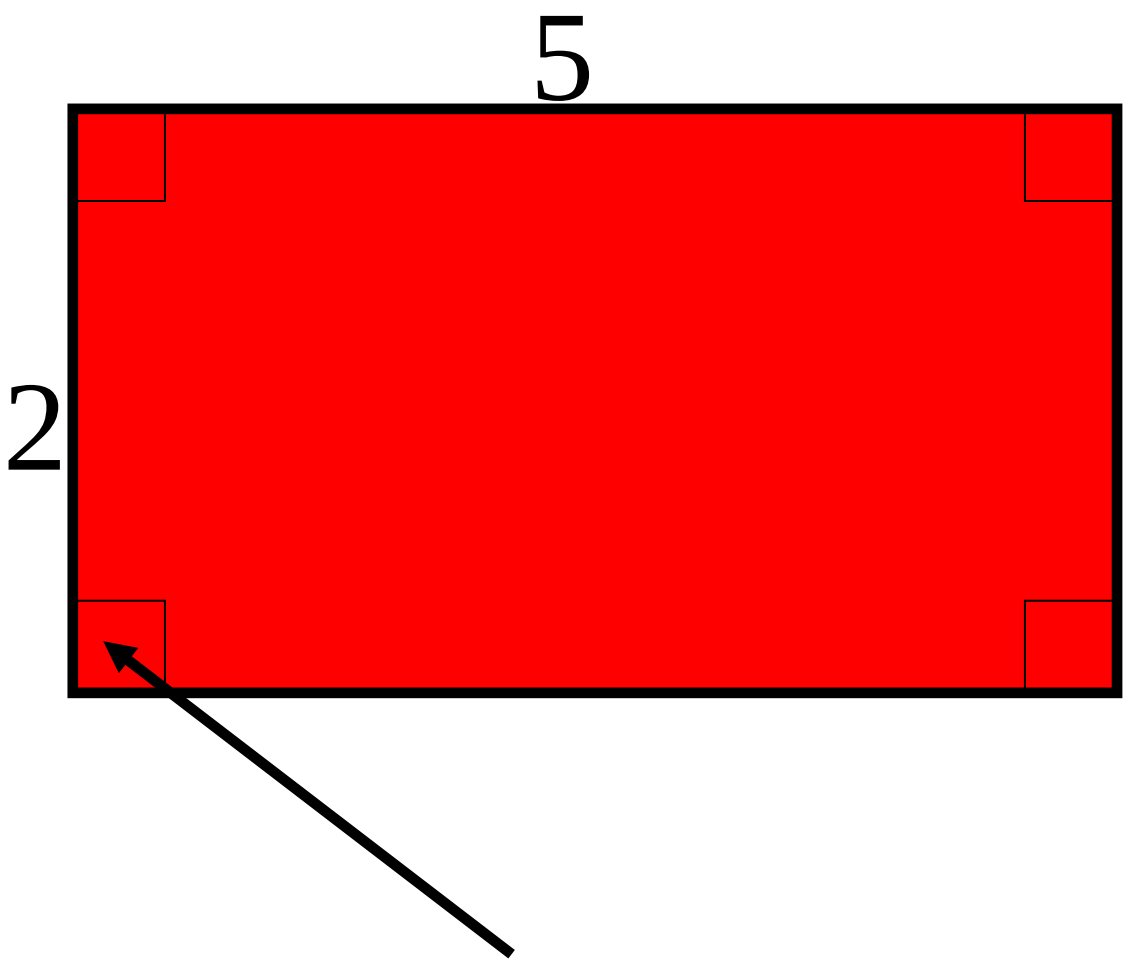
Isosceles Triangle



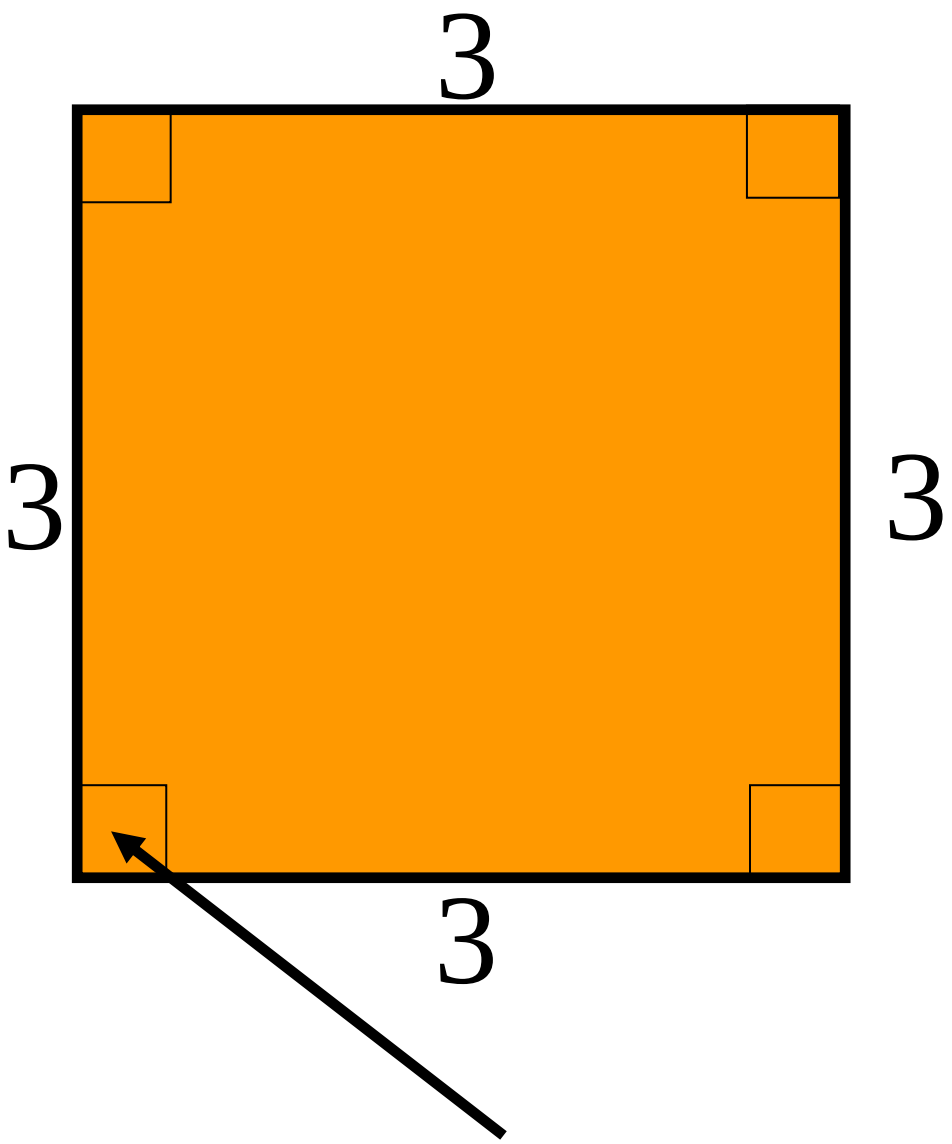
Protractor



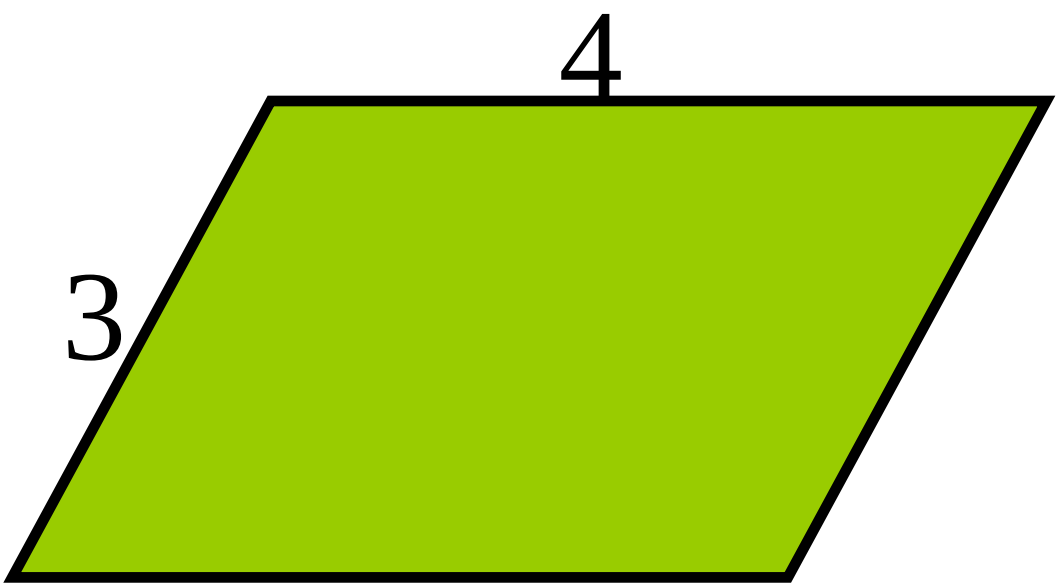
Rectangle



Square

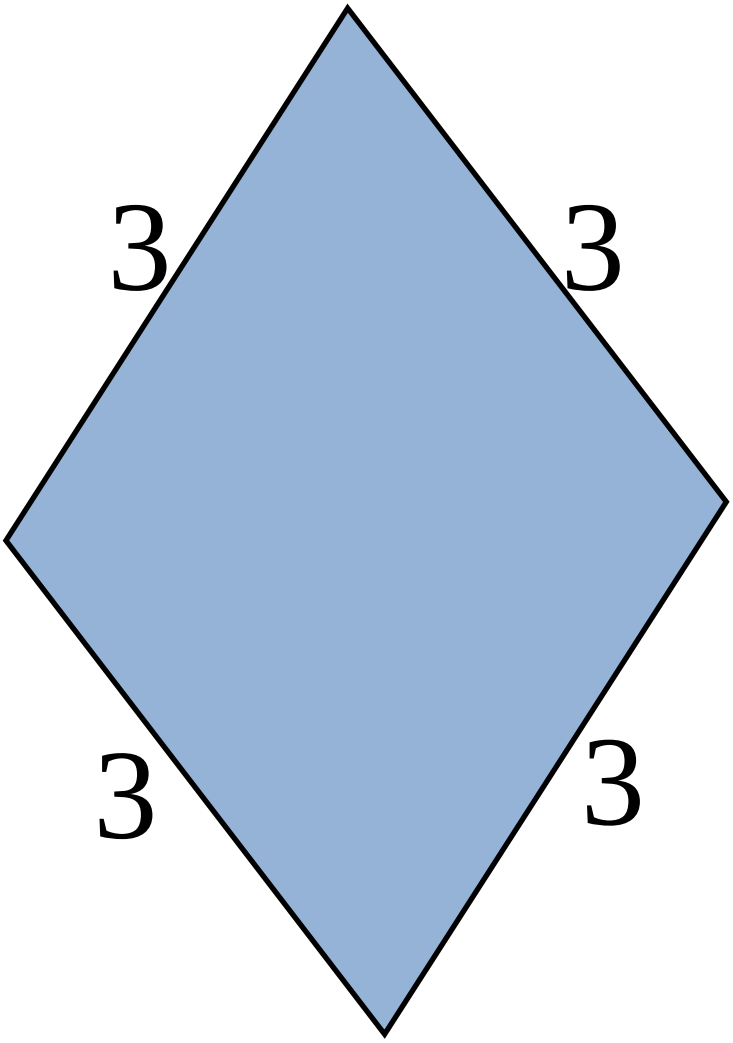


Parallelogram

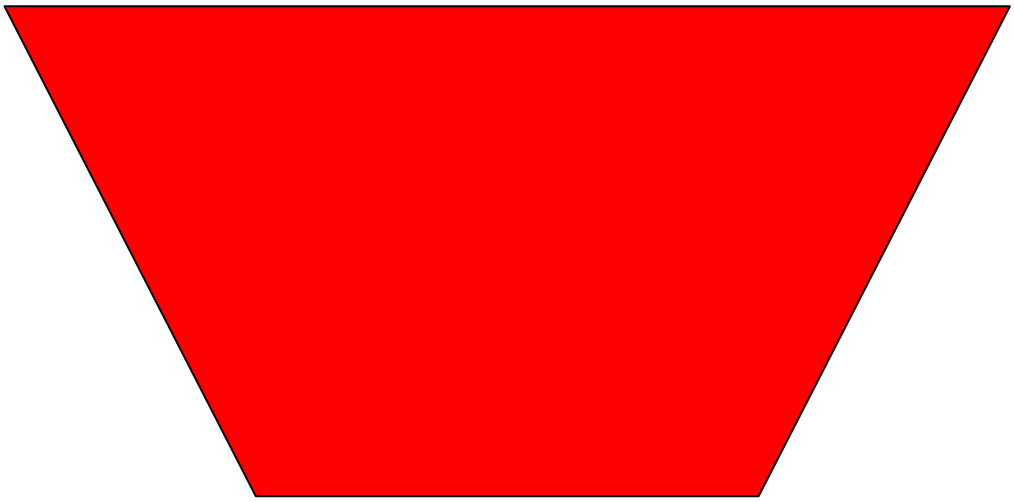


opposite sides parallel

Rhombus

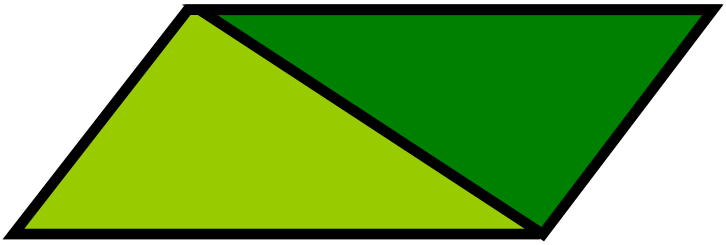


Trapezoid

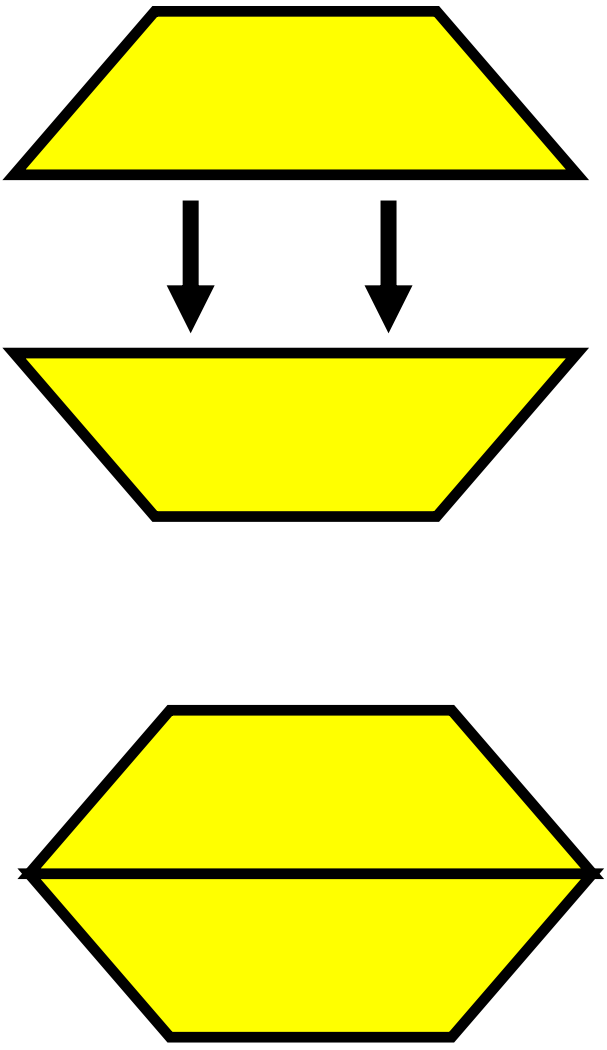


one pair of parallel sides

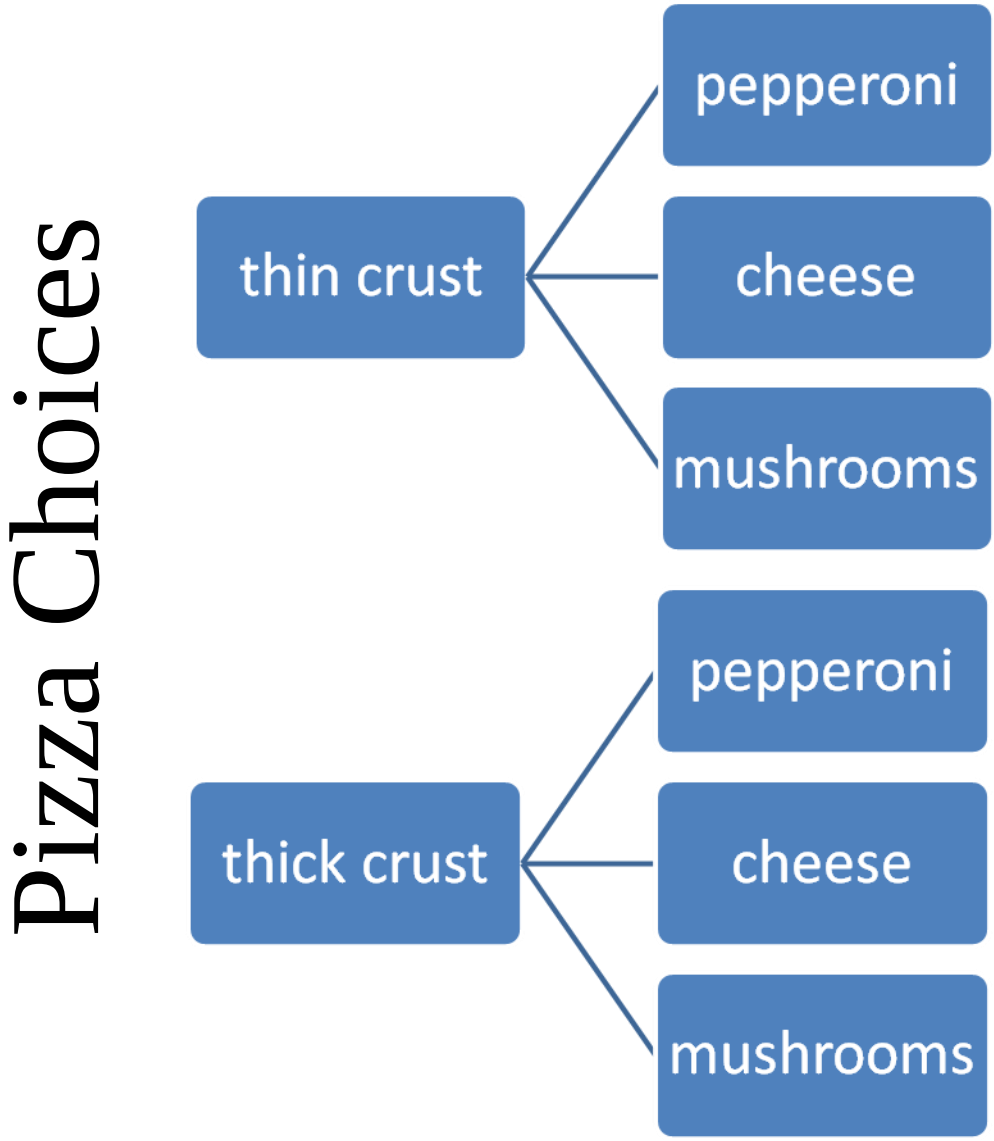
Subdivide



Combine

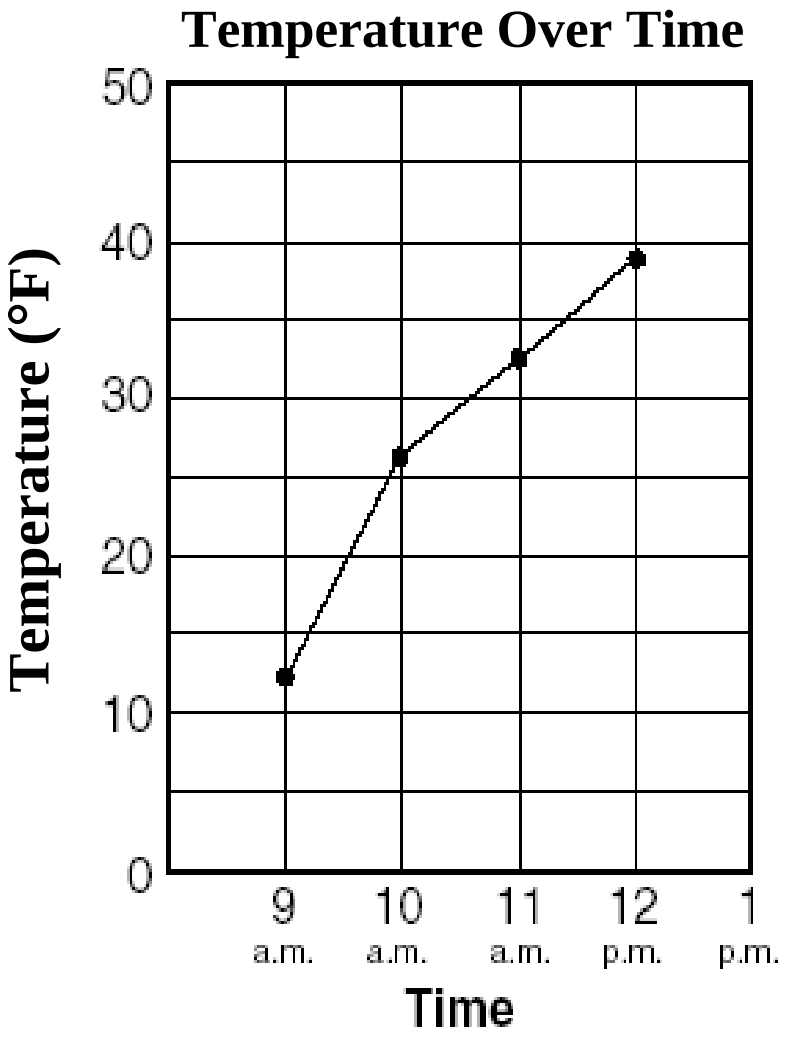


Sample Space



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

Stem-and-Leaf Plot

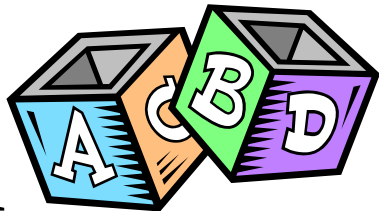
Stem	Leaf
1	7, 8
2	2, 4, 5, 6, 9
3	3, 7, 9, 9
4	
5	0

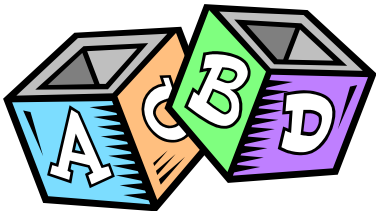
Key: 1 | 7 means 17

Measures of Center

Mean – average
Median – middle
Mode – occurs most frequently

Mean as Fair Share

two for you 

and two for me 

Mean

fair share
average

6, 9, 8, 8, 9

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

$40 \div 5 = 8$

8 = mean

Median

6, 7, 8, 9, 9

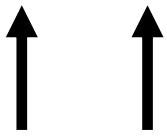
8 = median

5, 6, 8, 9, 11, 12

8.5 = median

Mode

6, 7, 8, 9, 9



occurs most frequently

9 = mode

Range

6, 7, 8, 9, 9

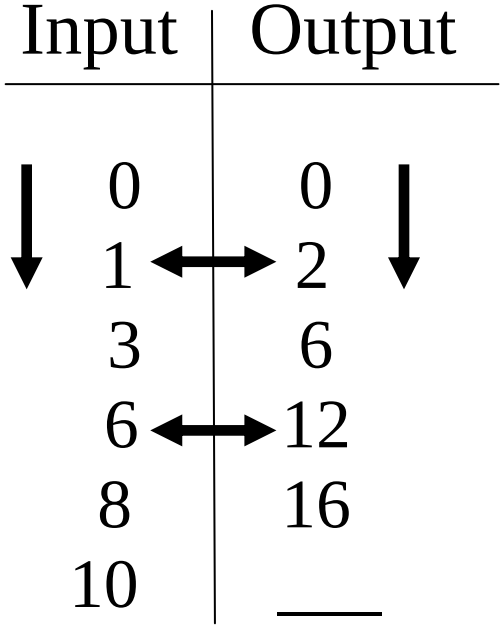
6 least value in the data set

9 greatest value in the data set

range = 9 – 6 = 3

Patterns

What is the relationship?



The output is 2 times the input and could be written as 2x.

Open Sentence

$3 + b = 7$

variable

Variable Expression

$4 + s$

variable

Identity Property

Addition:

$8 + 0 = 8$

$0 + 12 = 12$

Multiplication:

$5 \times 1 = 5$

$1 \times 22 = 22$

Commutative Property

Addition:

$12 + 5 = 17$

$5 + 12 = 17$

Multiplication:

$12 \times 9 = 108$

$9 \times 12 = 108$

Associative Property

Addition:

$(2 + 5) + 4 = 2 + (5 + 4)$

Multiplication:

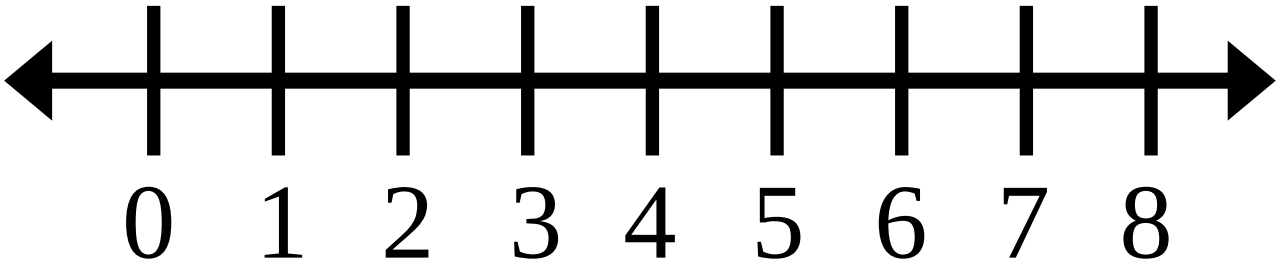
$(3 \times 2) \times 4 = 3 \times (2 \times 4)$

Distributive Property

$$3(4 + 5) = 3 \times 4 + 3 \times 5$$

$$(3 \times 4) + (3 \times 5) = 3(4 + 5)$$

Number Line



Equation

$3 + 5 = 10 - 2$

$4 = 6 - 2$

$12 \div 4 = 3$

$56 = 8n$

Equality

$13 + 25 = 30 + 8$