

# Mathematics Vocabulary Cards – Grade 4

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# Mathematics Vocabulary Cards – Grade 4

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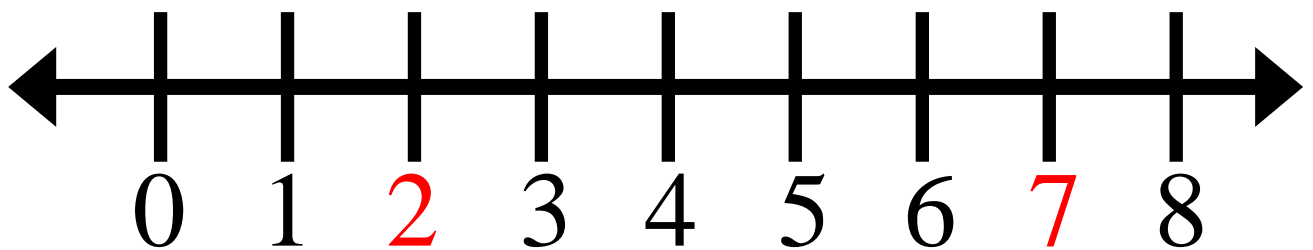
[Associative Property: Addition and Multiplication](#)

# Place Value

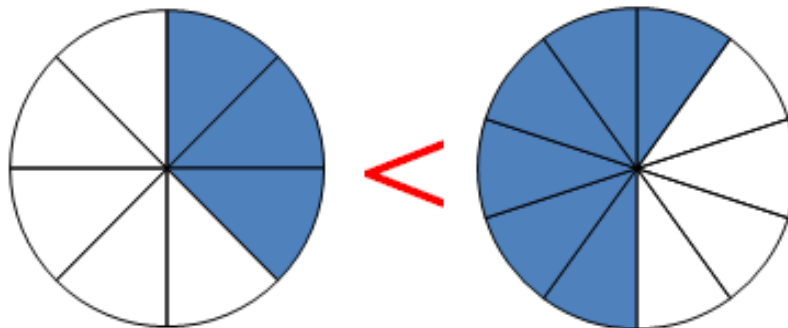
1	,	2	3	5	,	4	8	6
Millions		Hundred Thousands	Ten Thousands	Thousands		Hundreds	Tens	Ones

# Less than

<



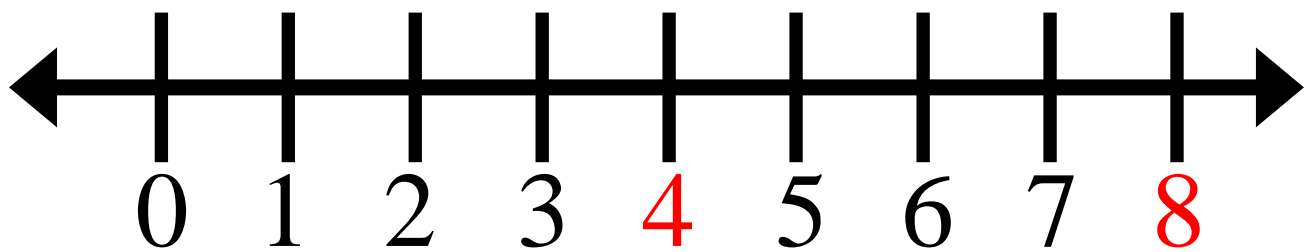
$$2 < 7$$



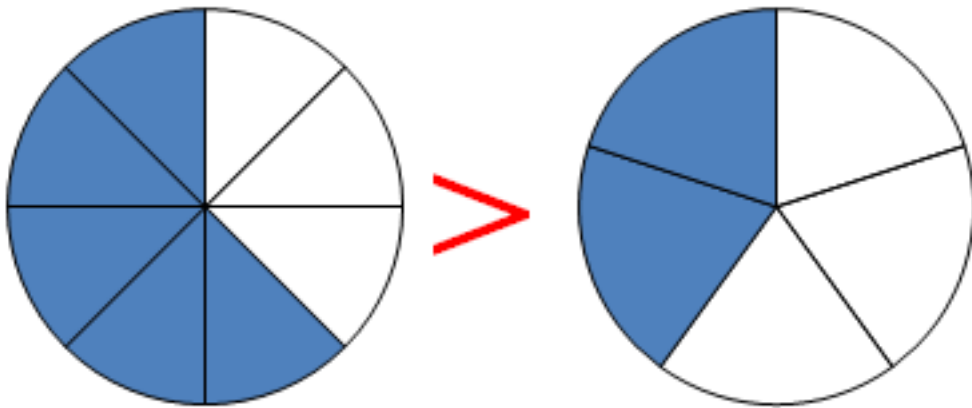
$$\frac{3}{8} < \frac{6}{10}$$

# Greater than

>



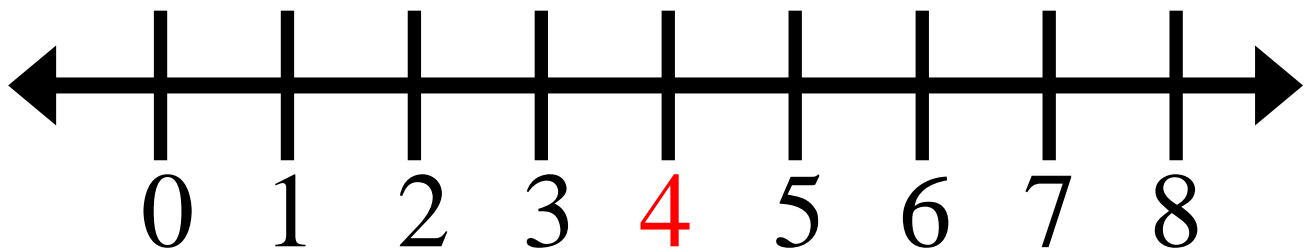
$$8 > 4$$



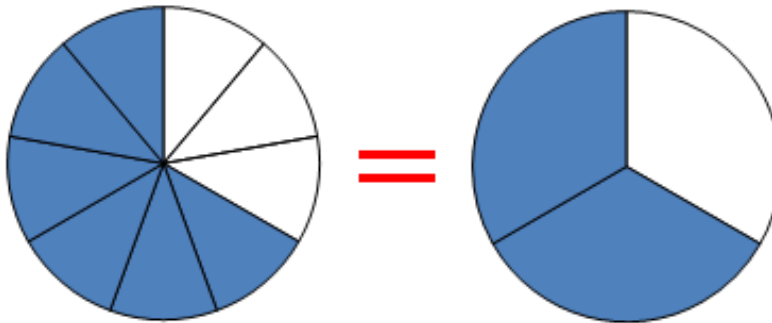
$$\frac{5}{8} > \frac{2}{5}$$

# Equal to

=

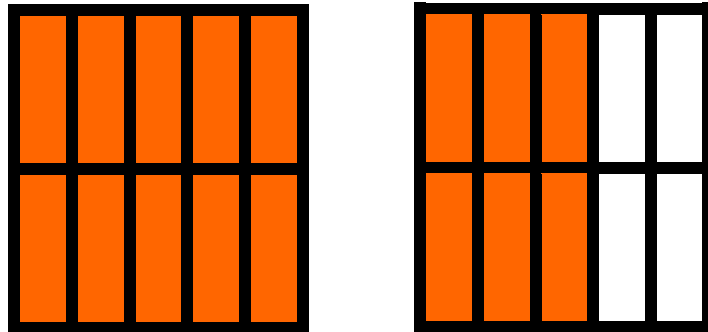


$$4 = 4$$



$$\frac{6}{9} = \frac{2}{3}$$

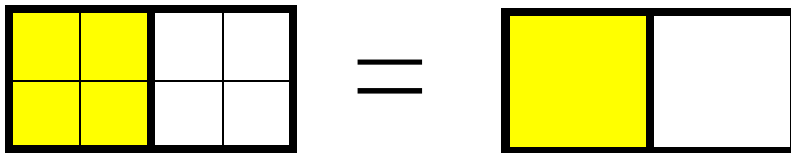
# Mixed Number



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

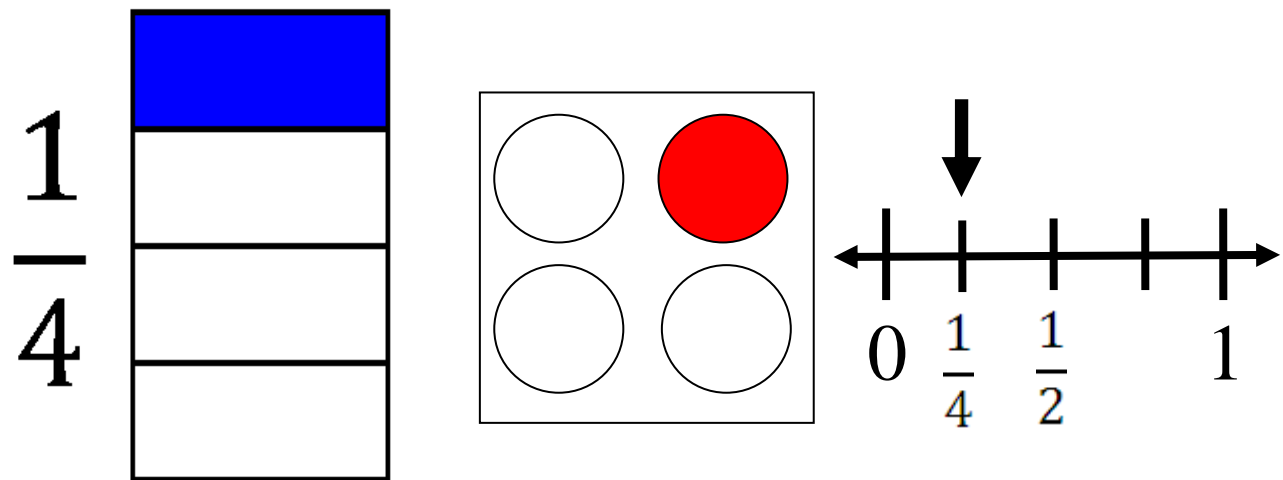
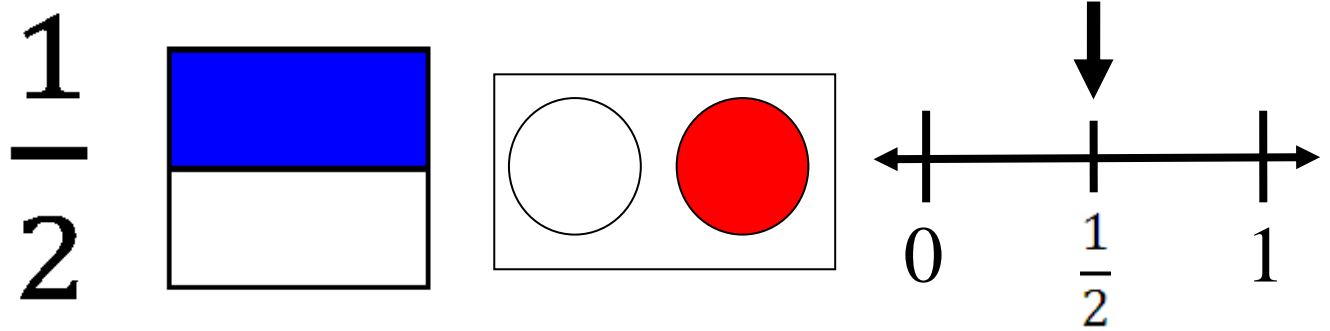
# Equivalent Fractions

$$\frac{4}{8} = \frac{1}{2}$$



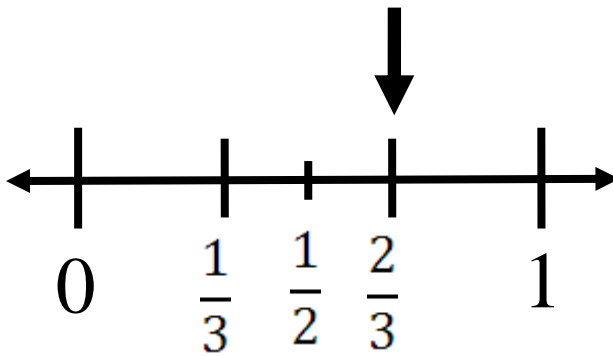
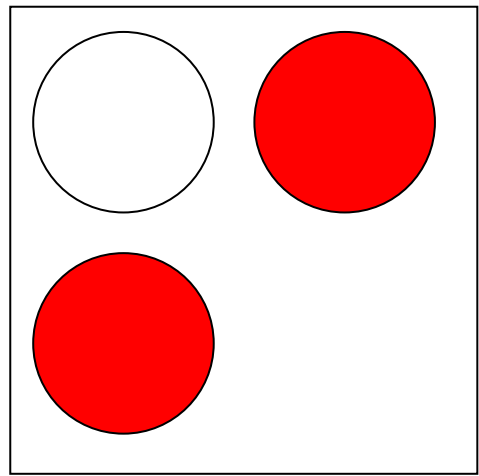
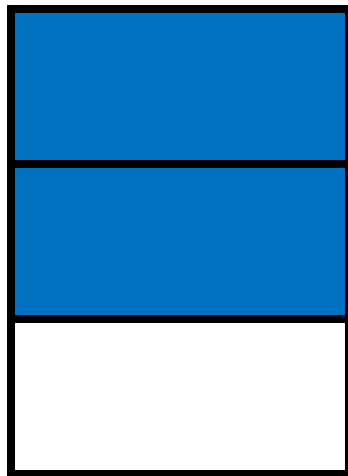


# Fraction

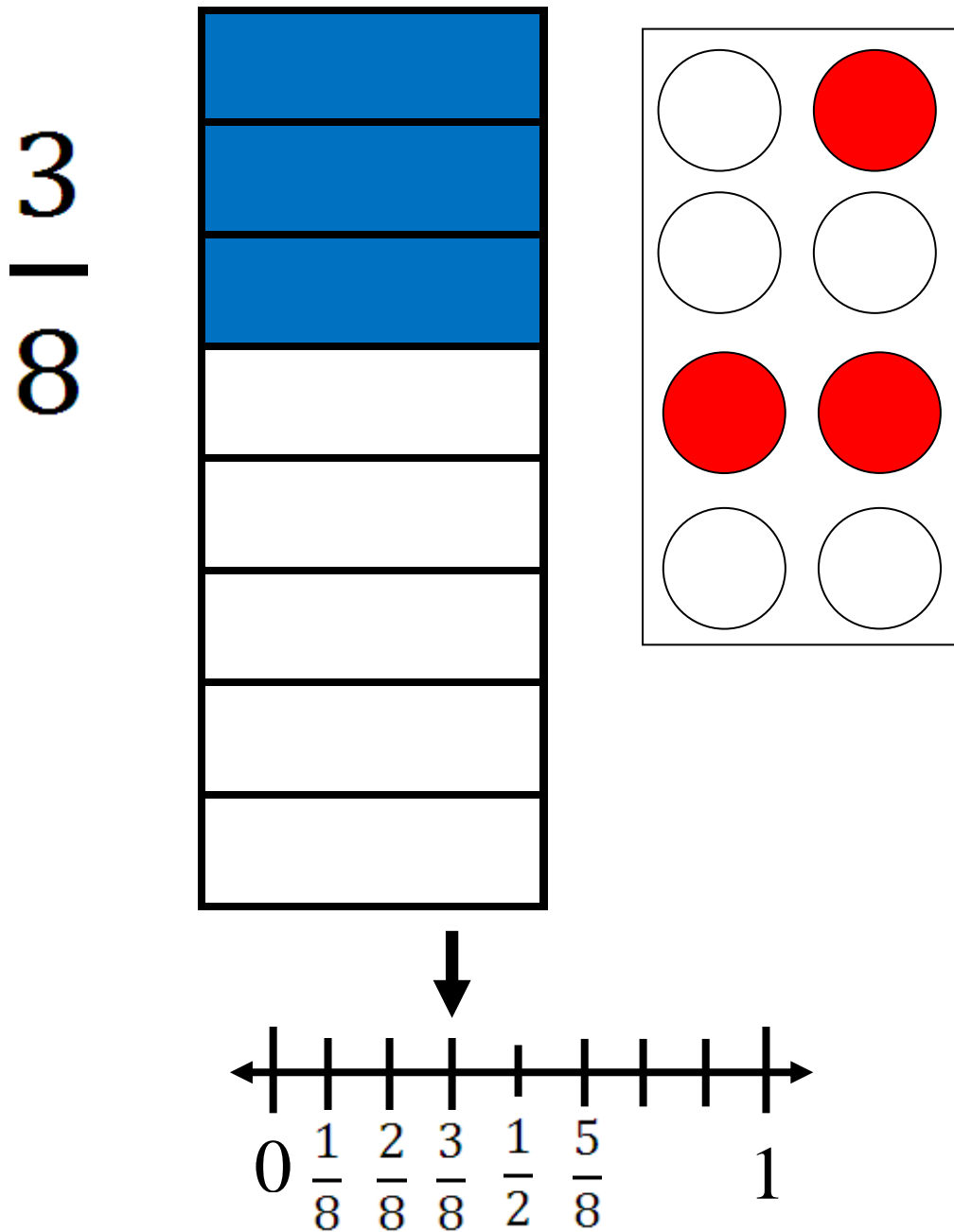


# Fraction

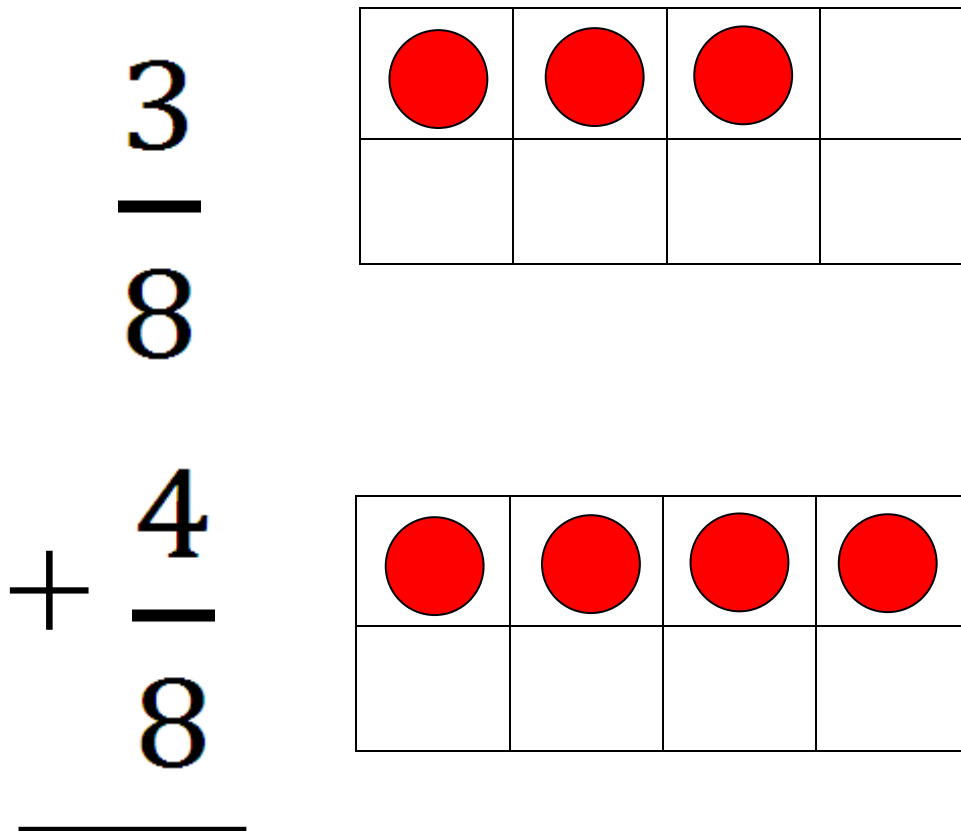
$\frac{2}{3}$



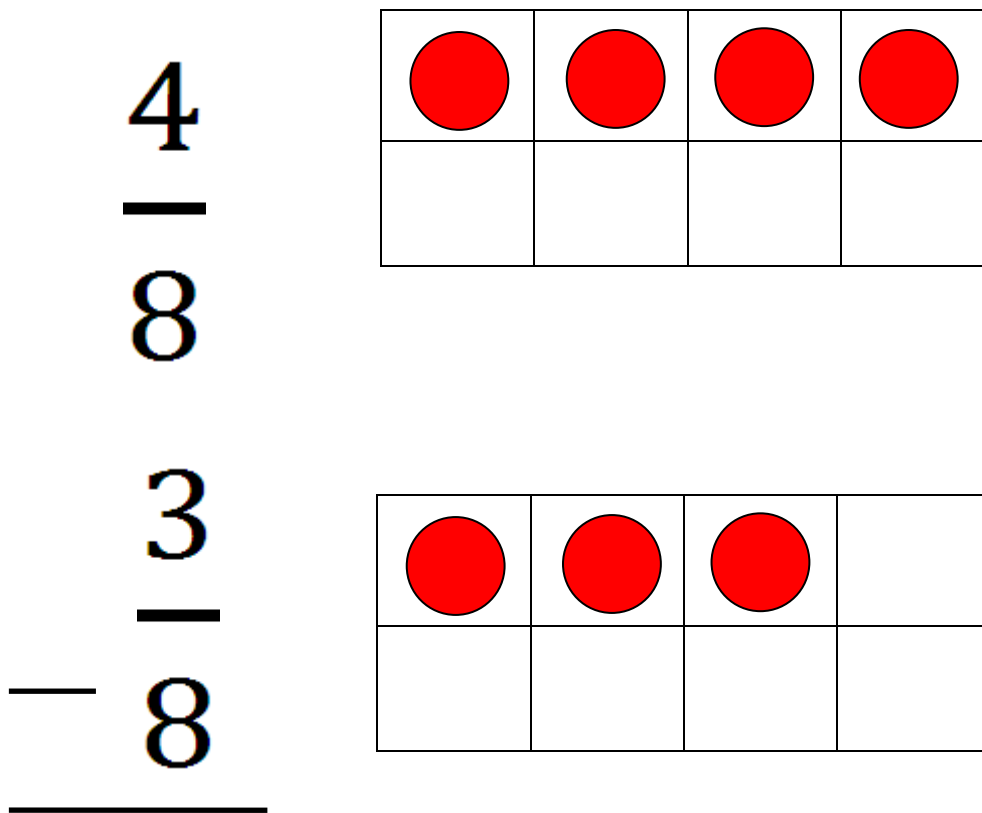
# Fraction



# Fraction Addition



# Fraction Subtraction



# Decimal

## Place Value

Ones		Tenths	Hundredths	Thousandths
3	.	7	2	1

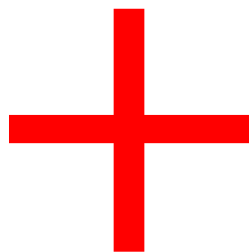


decimal point

# Addition

$$465 + 124 = 589$$

sum



plus

# Subtraction

$$465 - 124 = 341$$

difference

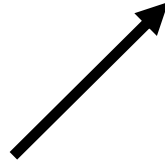


minus



# Multiply

$$32 \times 48 = 1536$$



product

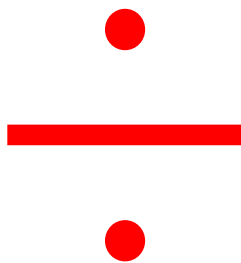
**X**

# Divide

$$14 \overline{) 280} \quad 20$$

$$280 \div 14 = 20$$

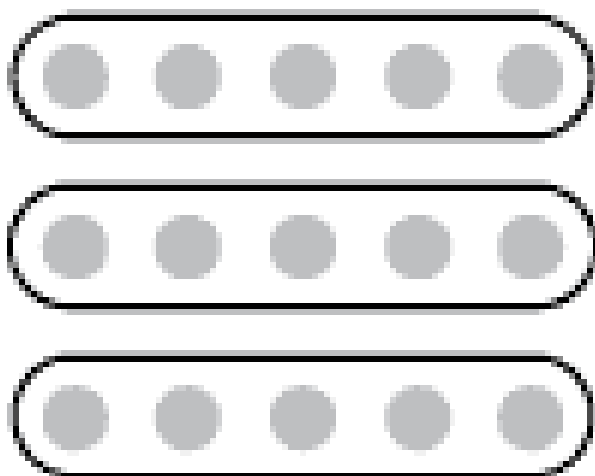
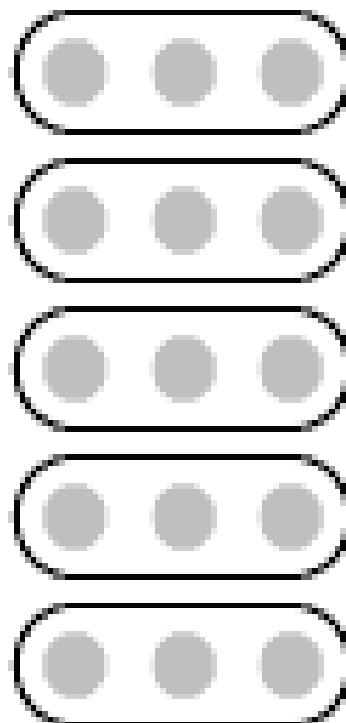
↑                    ↑                    ↑  
dividend    divisor    quotient



# Multiplication

$$5 \times 3 = 15$$

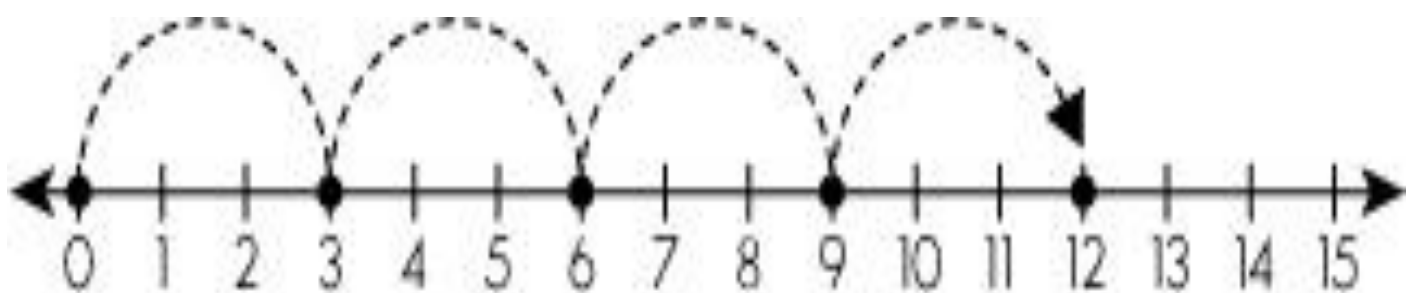
factors



$$3 \times 5 = 15$$

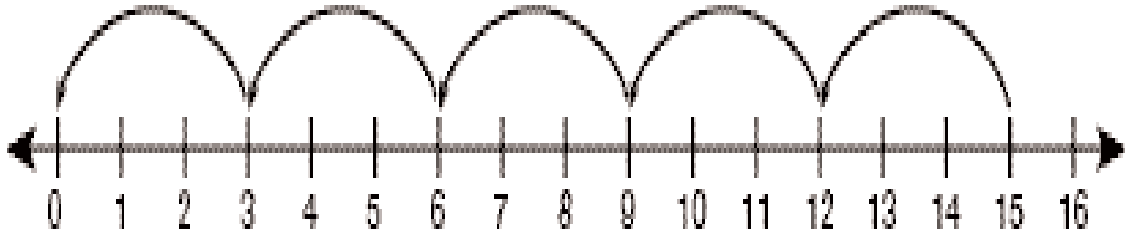
# Multiplication

$$4 \times 3$$



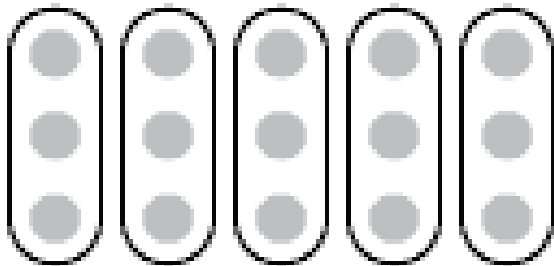
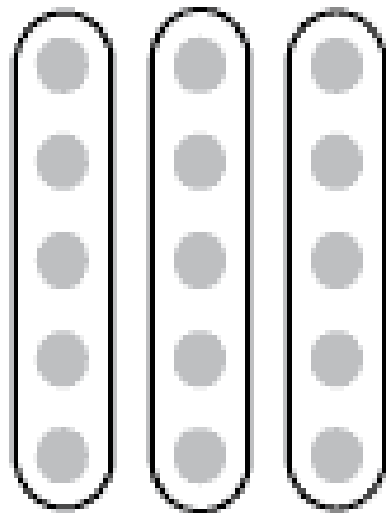
$$4 \times 3 = 12$$

# Division



$$15 \div 3 = 5$$

$$15 \div 3 = 5$$



$$15 \div 5 = 3$$

# Factor

## Factors of 12

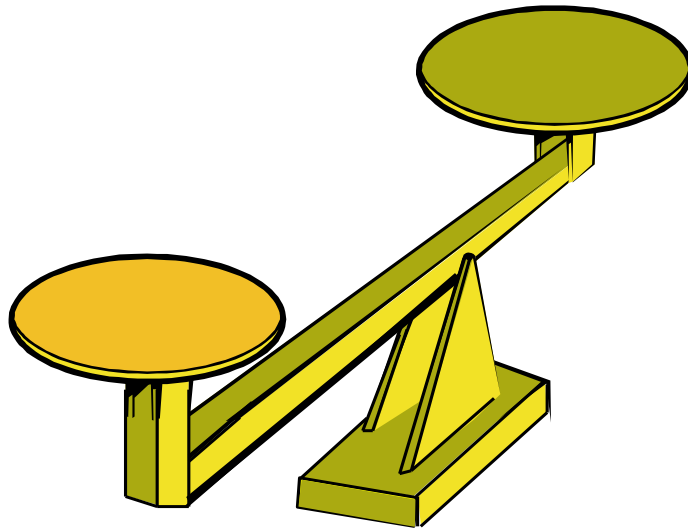
1, 2, 3, 4, 6, 12

$$1 \times 12$$

$$2 \times 6$$

$$3 \times 4$$

# Balance Scale



weight/mass

# Scale



weight/mass



# Ounce



# Pound



weight/mass

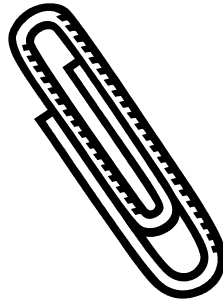
16 ounces = 1 pound

# Ton



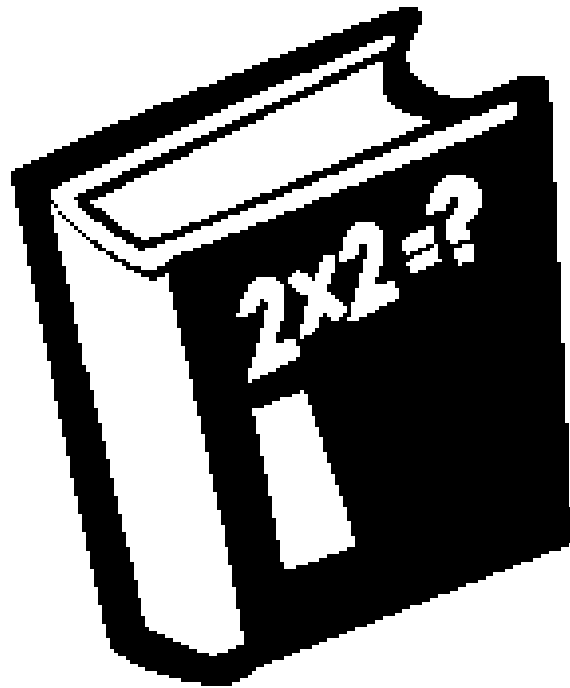
2,000 pounds

# Gram



1,000 grams = 1 kilogram

# Kilogram

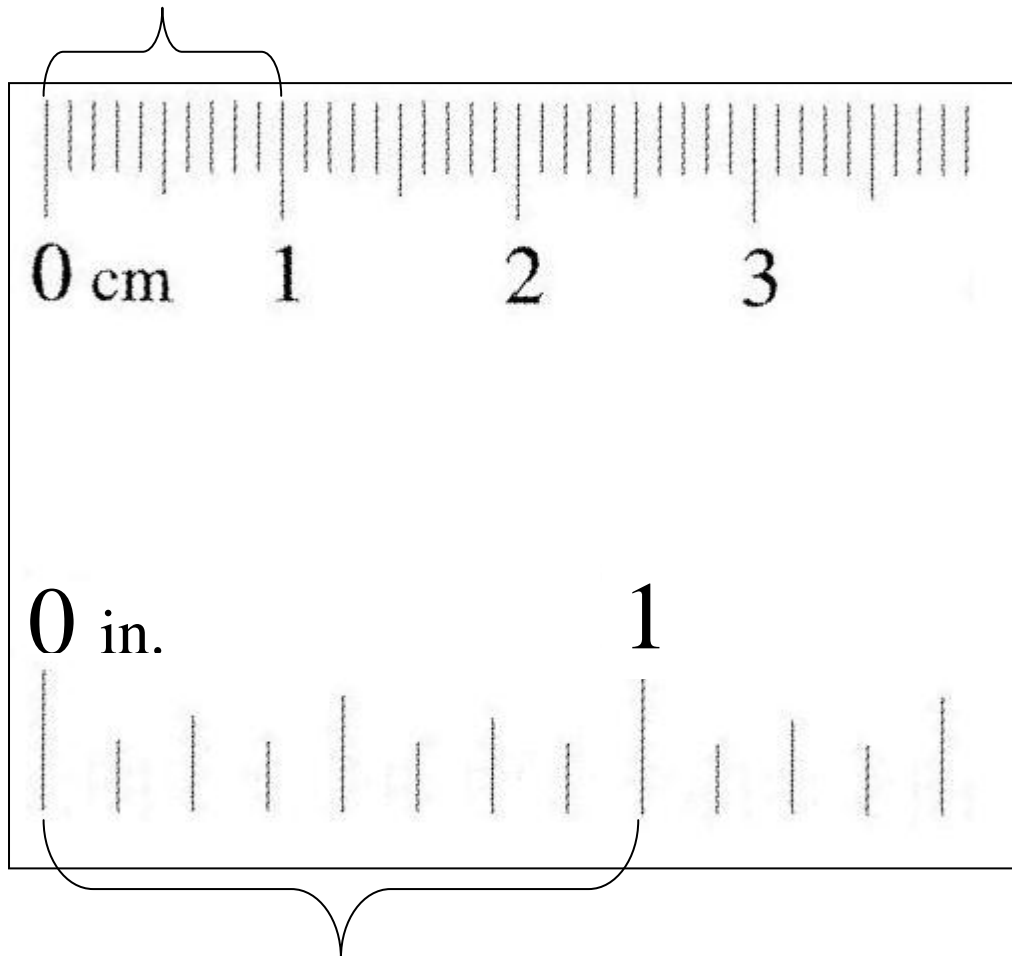


weight/mass

1,000 grams = 1 kilogram

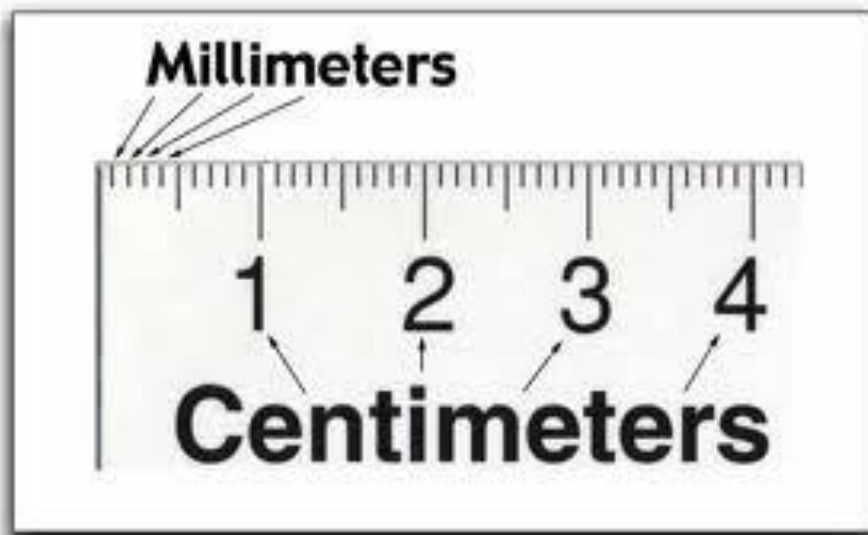
# Ruler

one centimeter



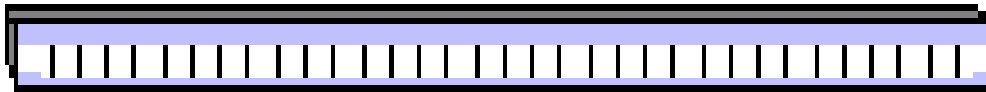
one inch

# Millimeter



10 millimeters = 1 centimeter

# Inches, Feet, and Yards



1 foot = 12 inches

36 inches = 3 feet

3 feet = 1 yard



# Meter

1 meter = 100  
centimeters

1 meter = 1,000  
millimeters

# Mile



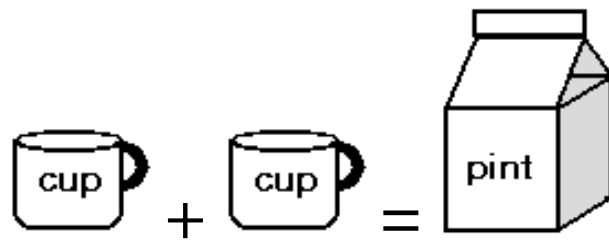
1,760 yards

# Cup



8 ounces

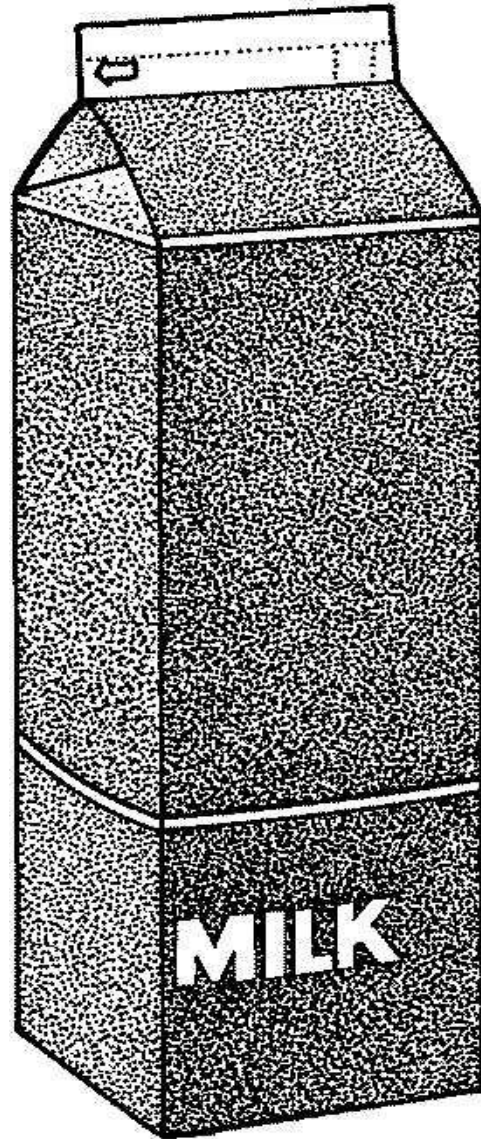
# Pint



2 cups  
16 ounces

# Quart

2 pints  
4 cups  
32 ounces

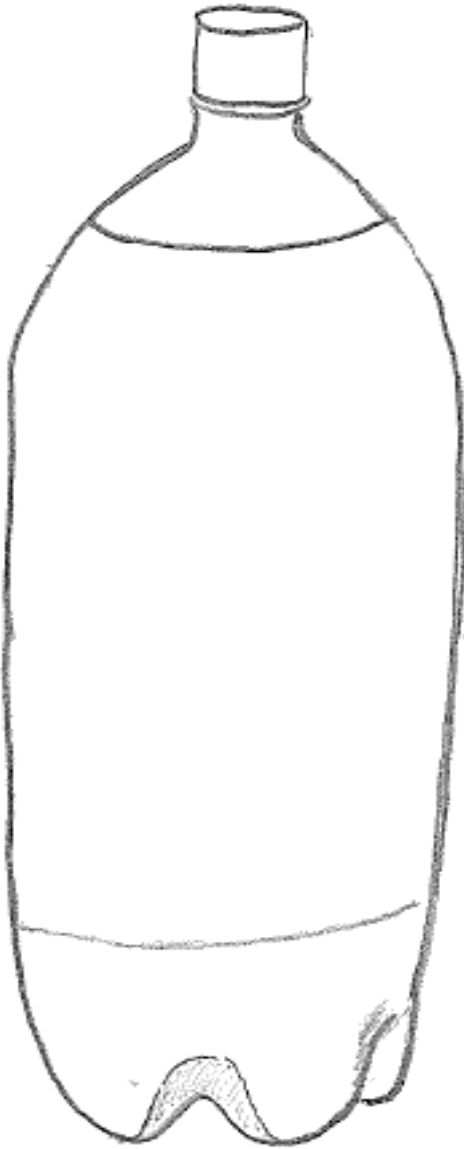


# Gallon

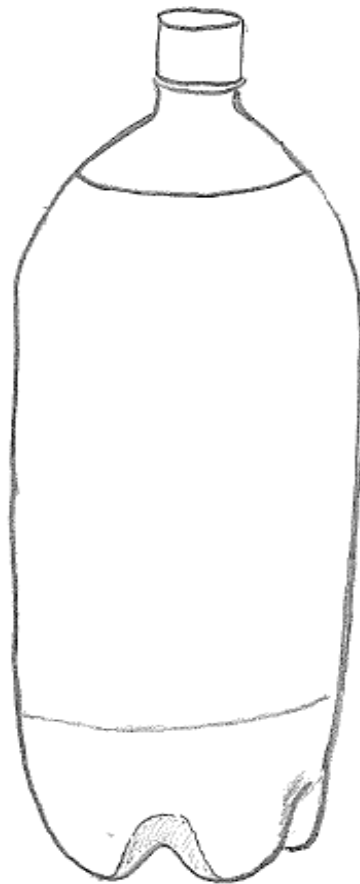


128 ounces

# Liter



**2 liters**



**1 liter**

# Point

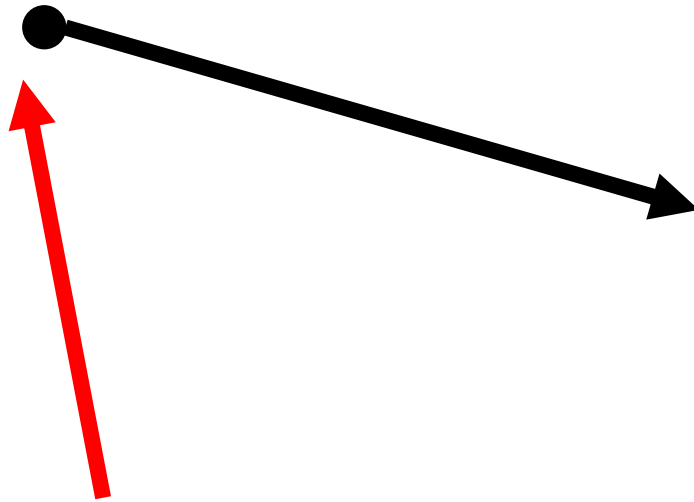




# Line

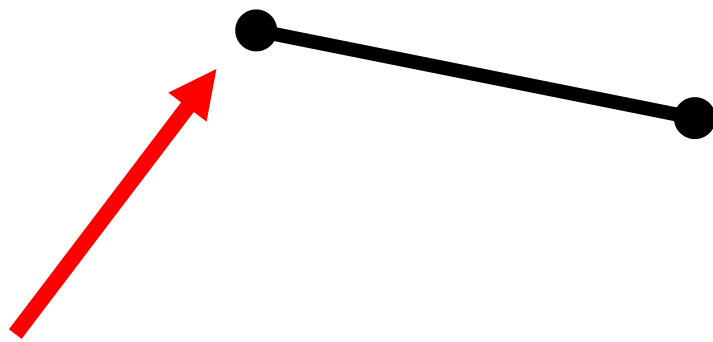


# Ray



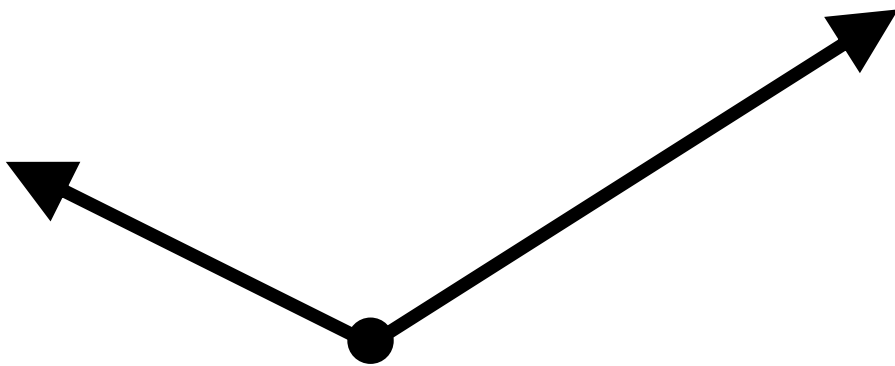
endpoint

# Line Segment

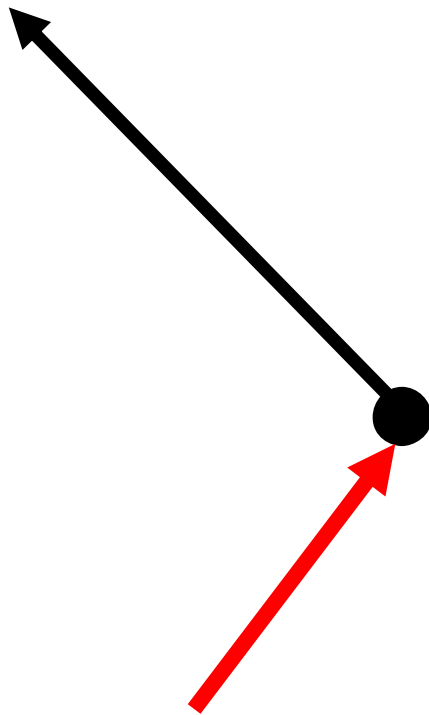


endpoint

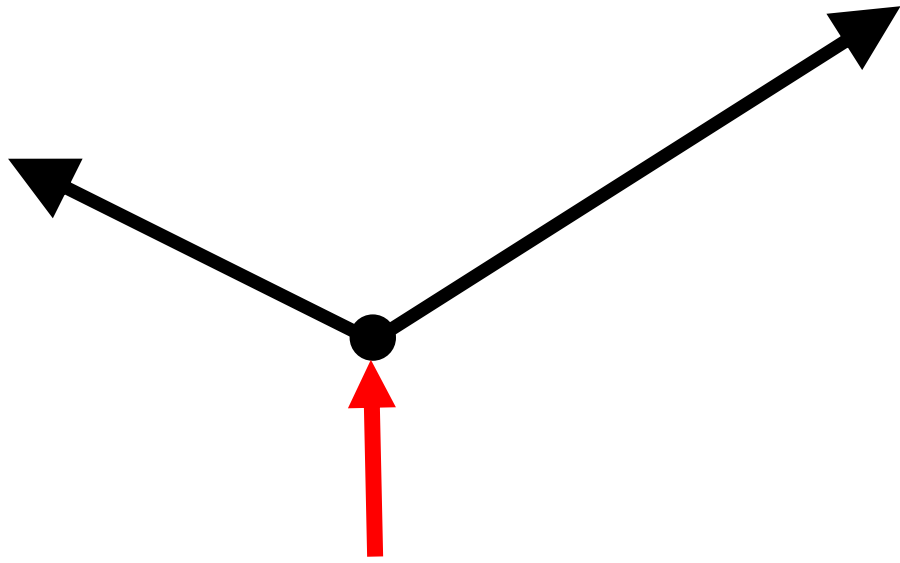
# Angle



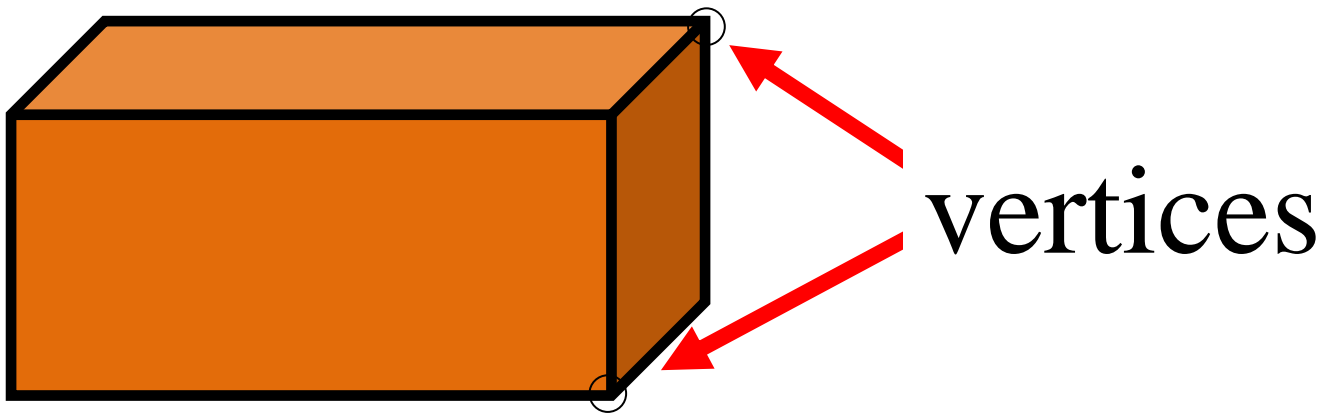
# Endpoint



# Vertex

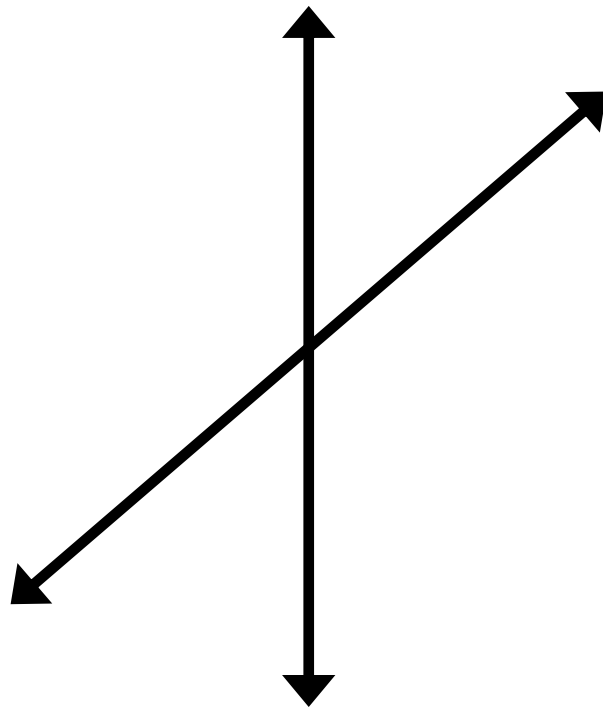


vertex

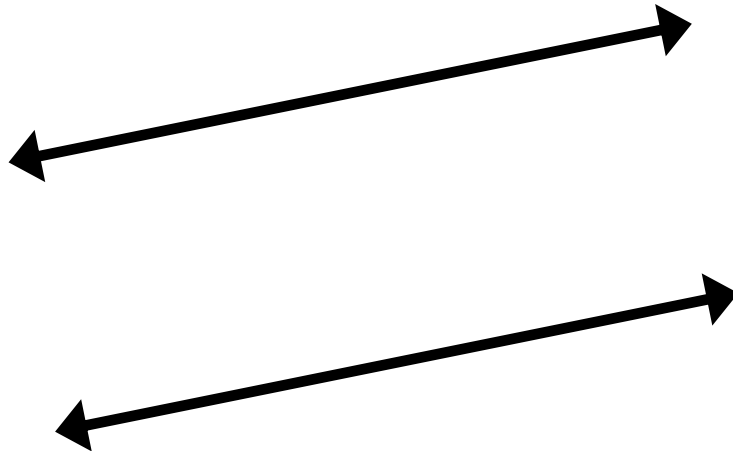


vertices

# Intersecting Lines

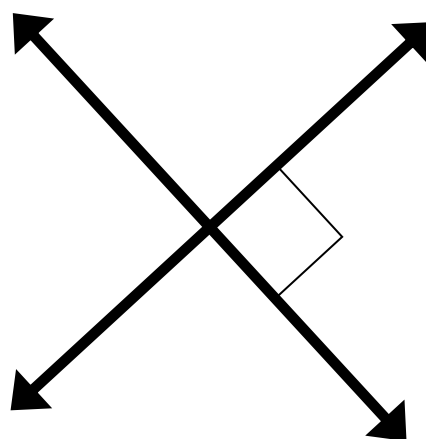
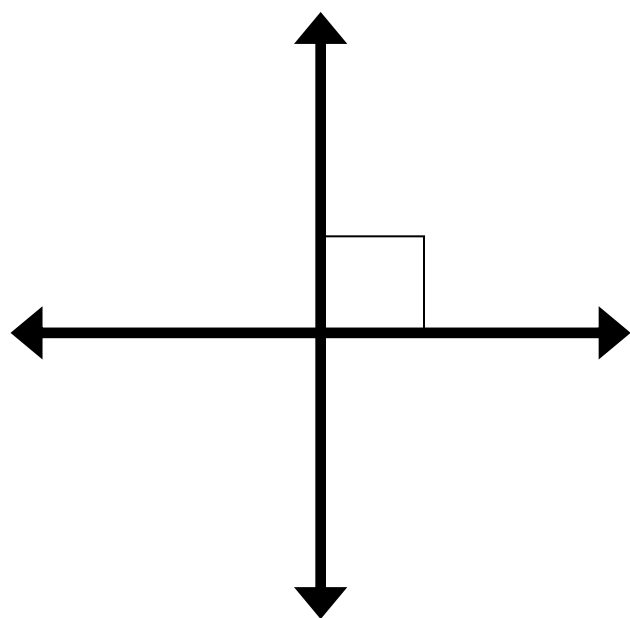


# Parallel Lines

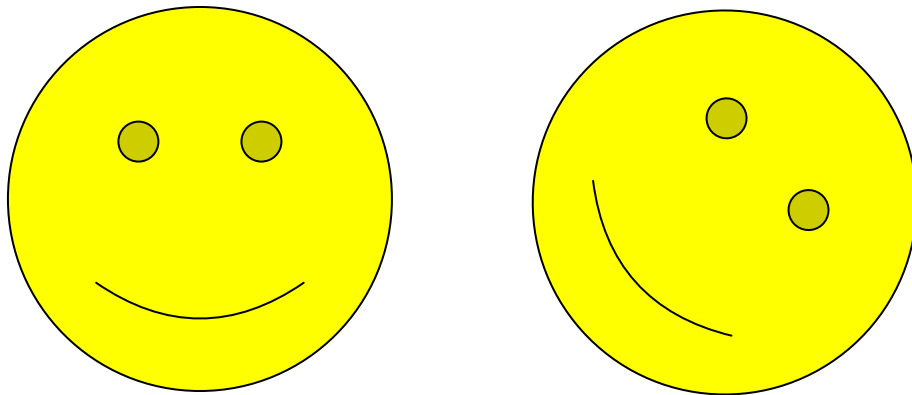




# Perpendicular Lines

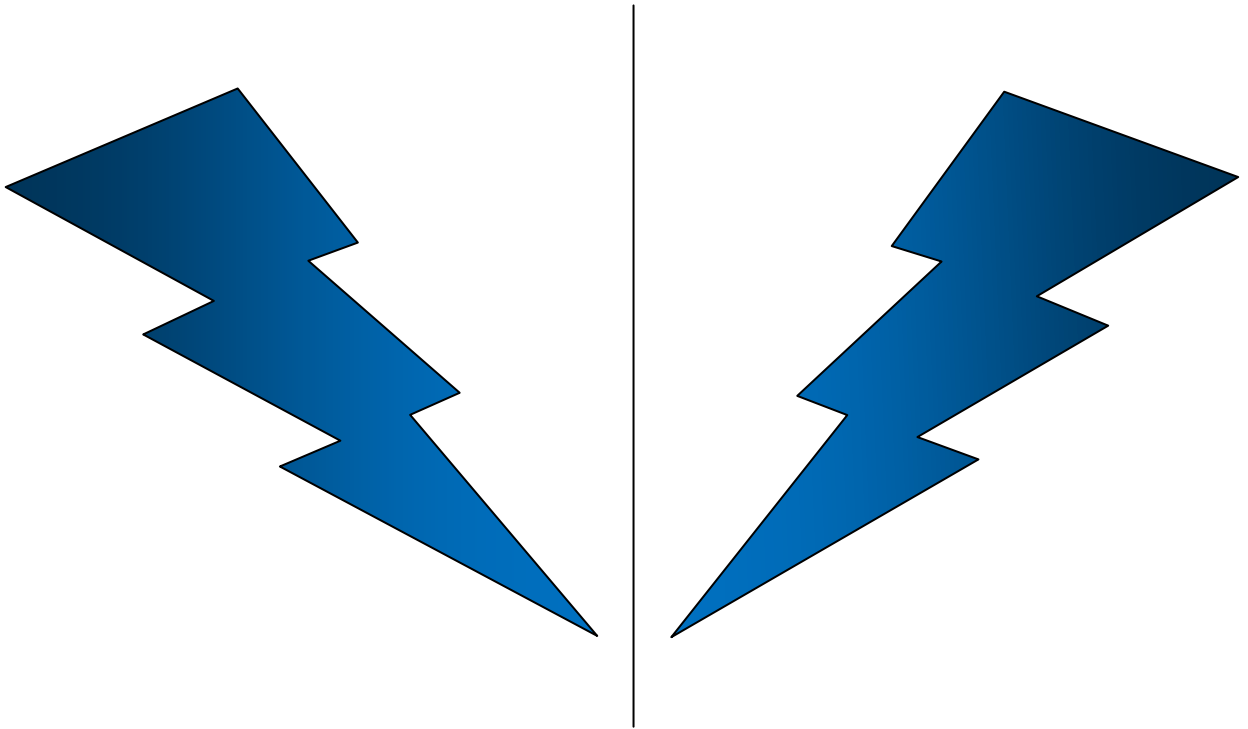


# Rotation



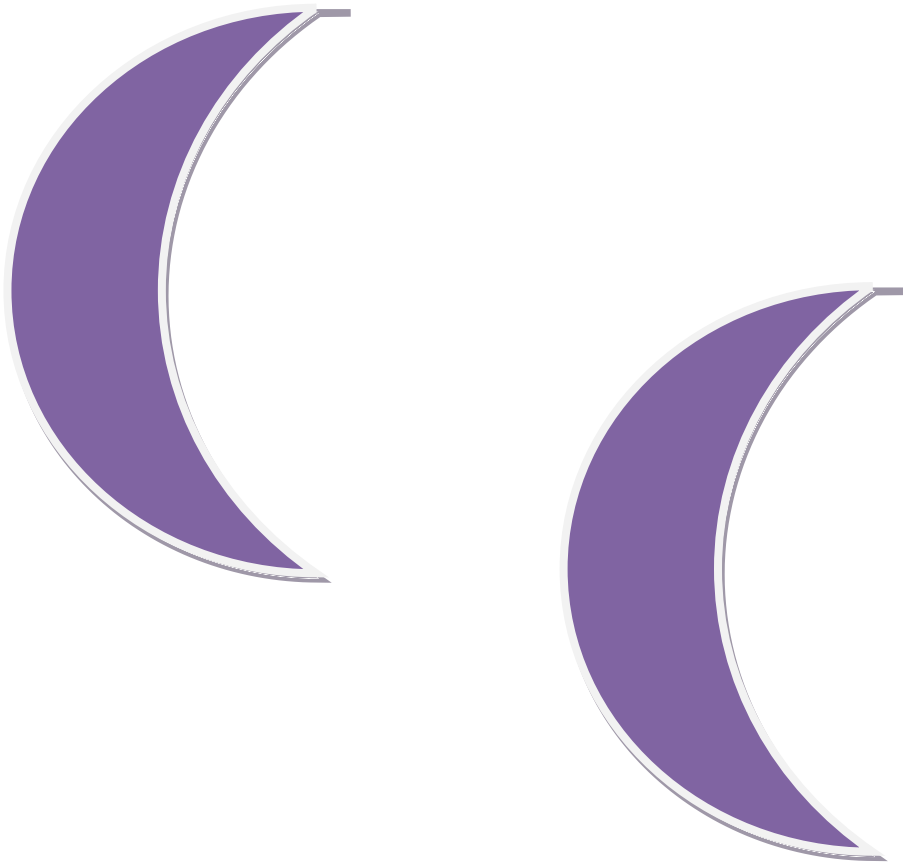
congruent figures

# Reflection



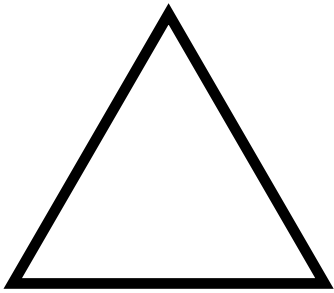
congruent figures

# Translation



congruent figures

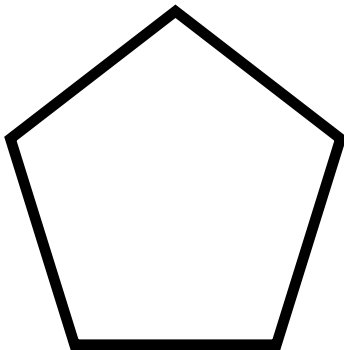
# Polygons



Triangle

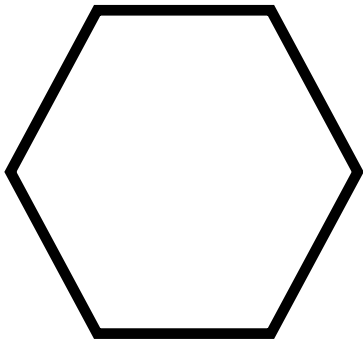


Quadrilateral



Pentagon

# Polygons



Hexagon

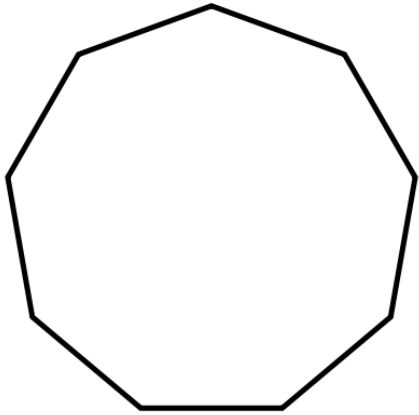


Heptagon

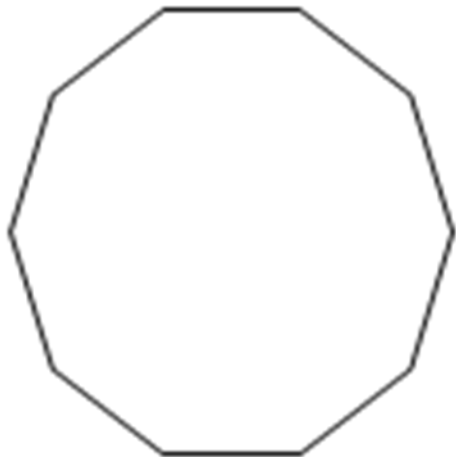


Octagon

# Polygons

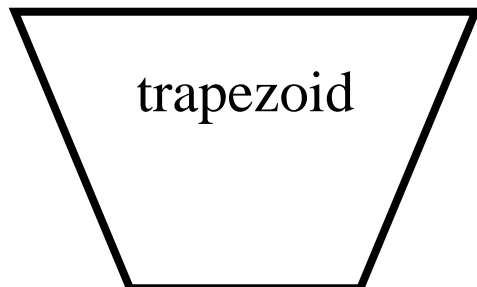
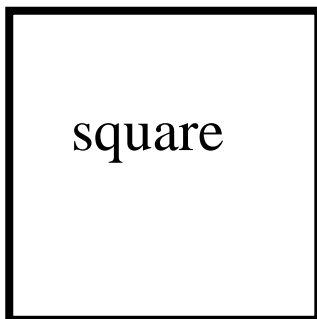
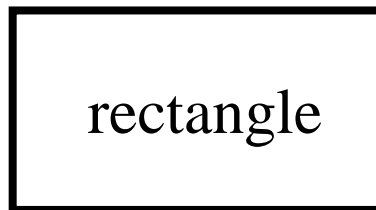
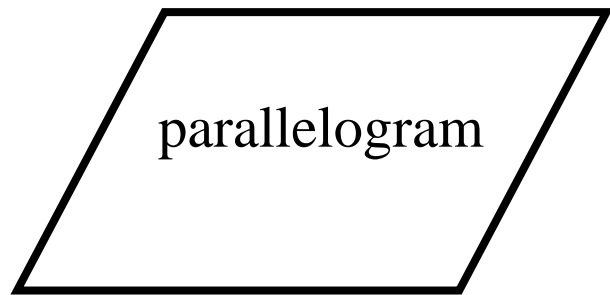
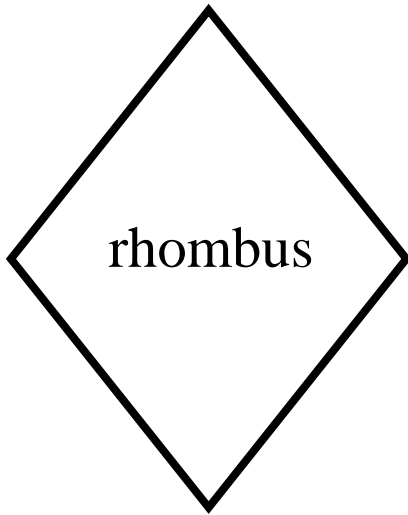


Nonagon



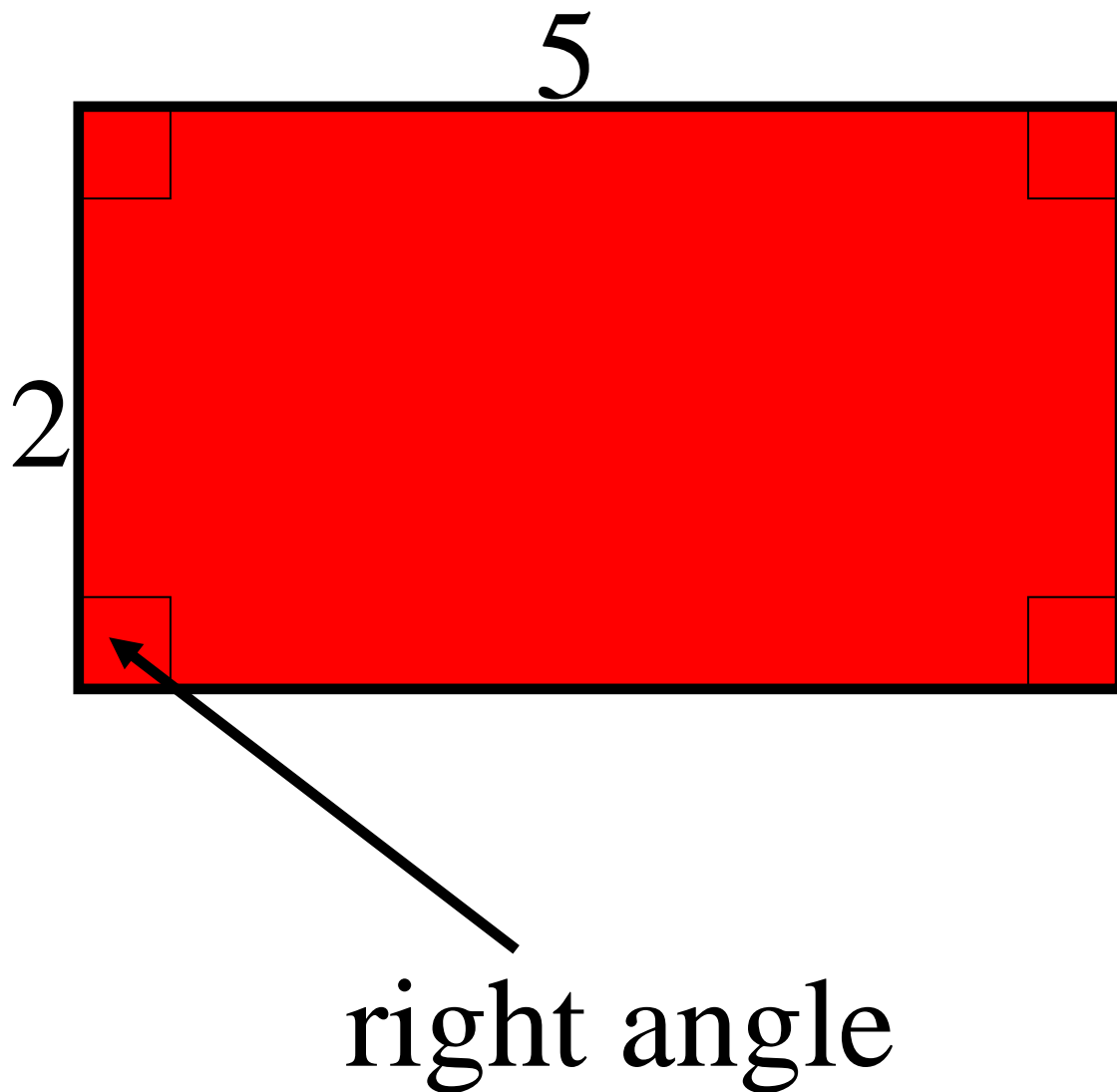
Decagon

# Quadrilaterals

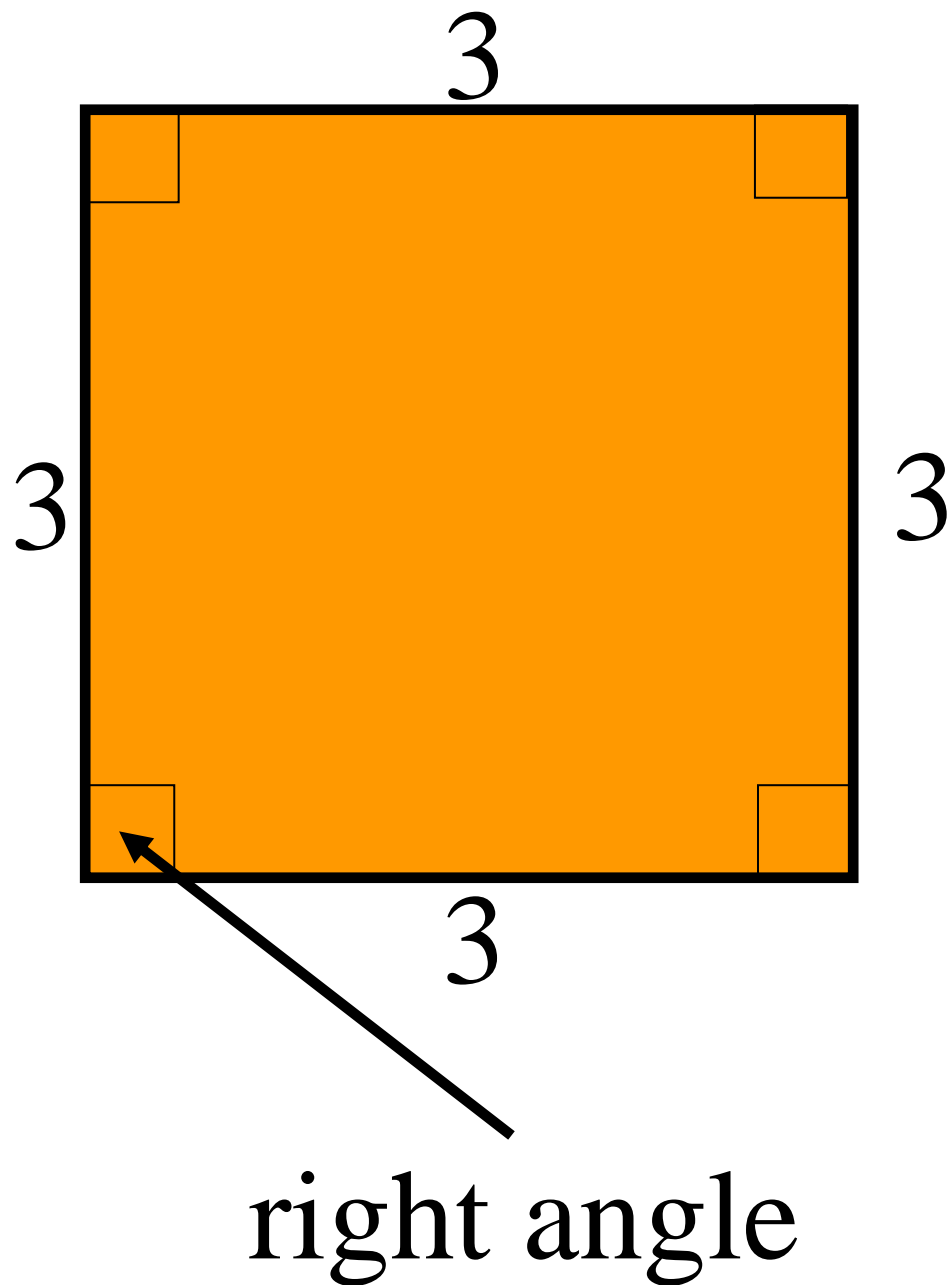




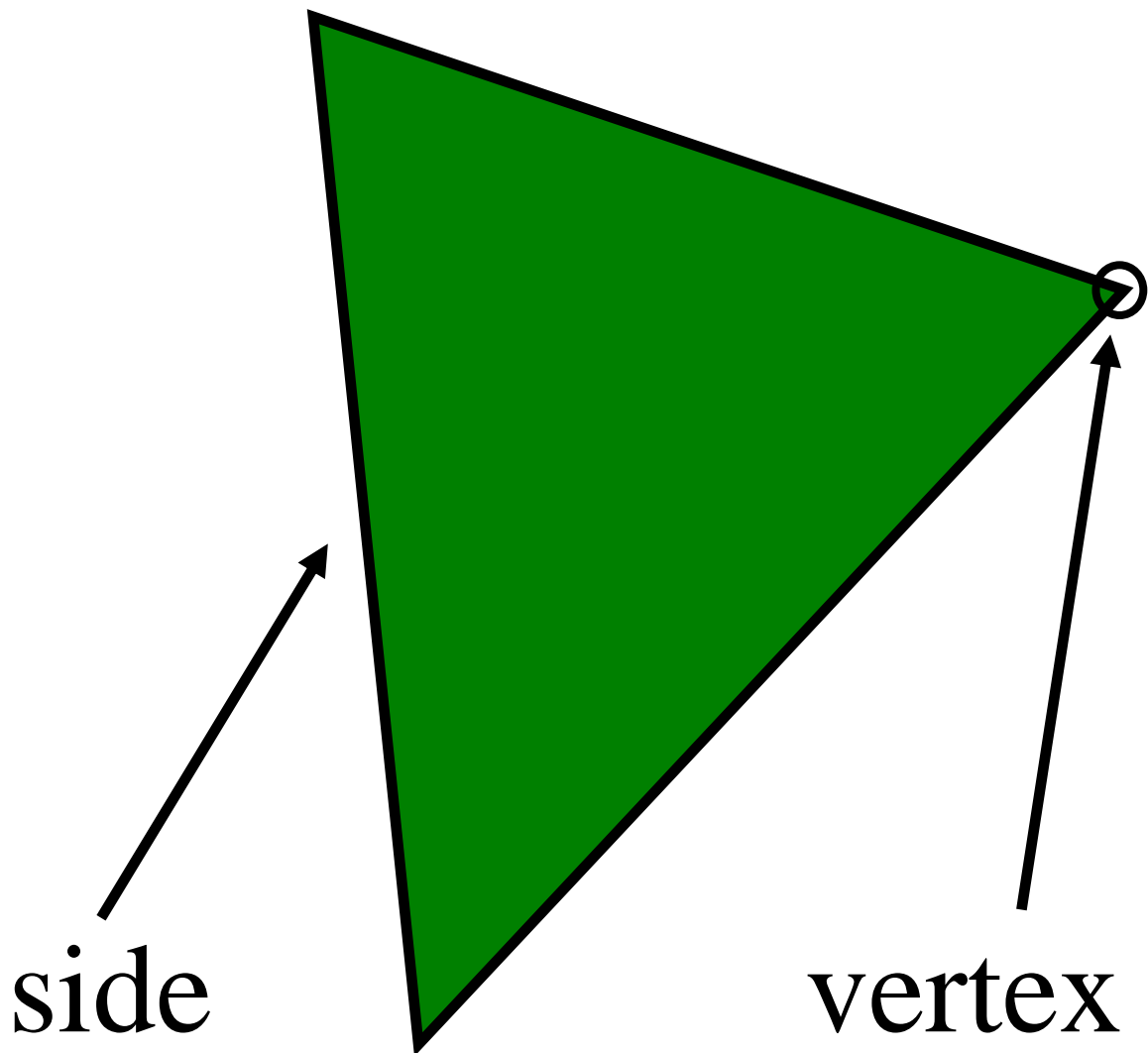
# Rectangle



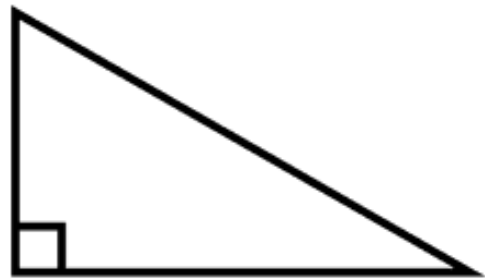
# Square



# Triangle



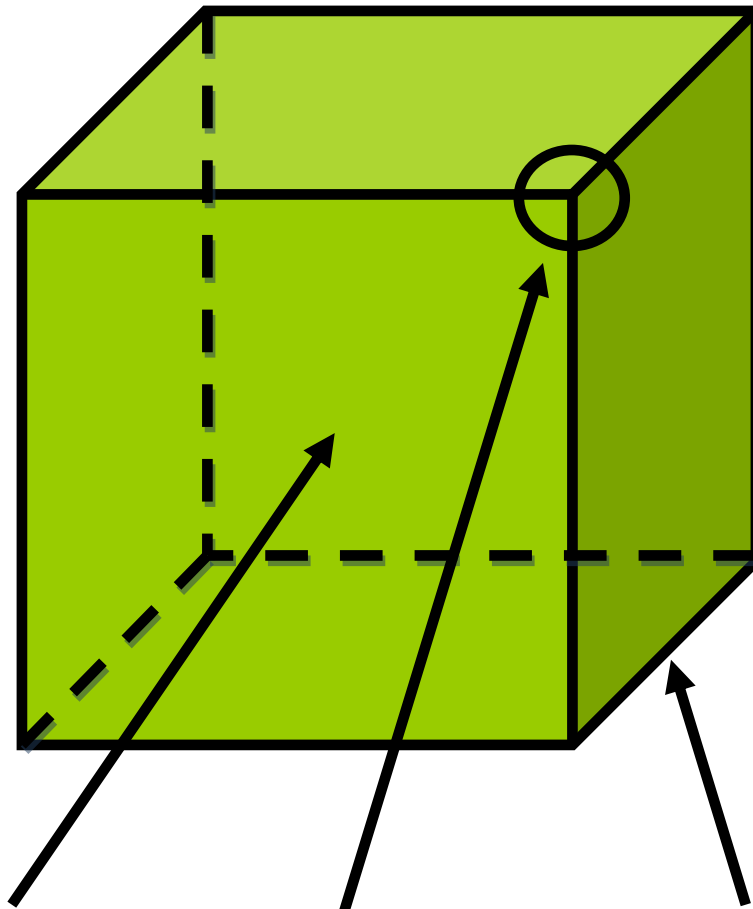
right triangle



# Sphere



# Cube

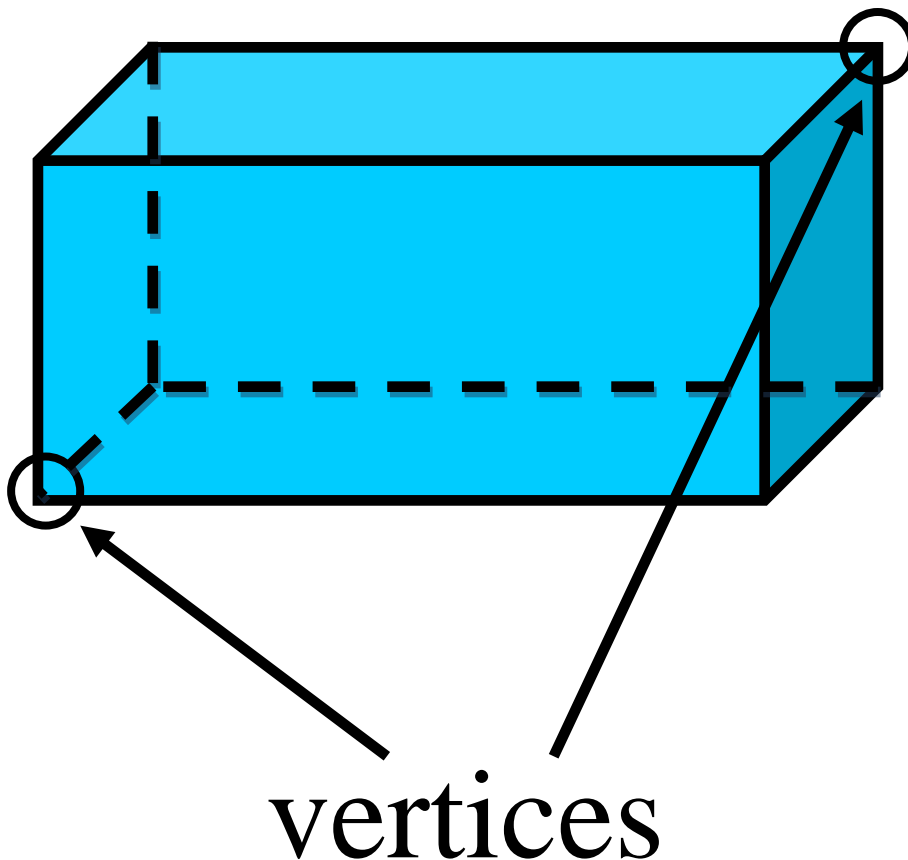


face

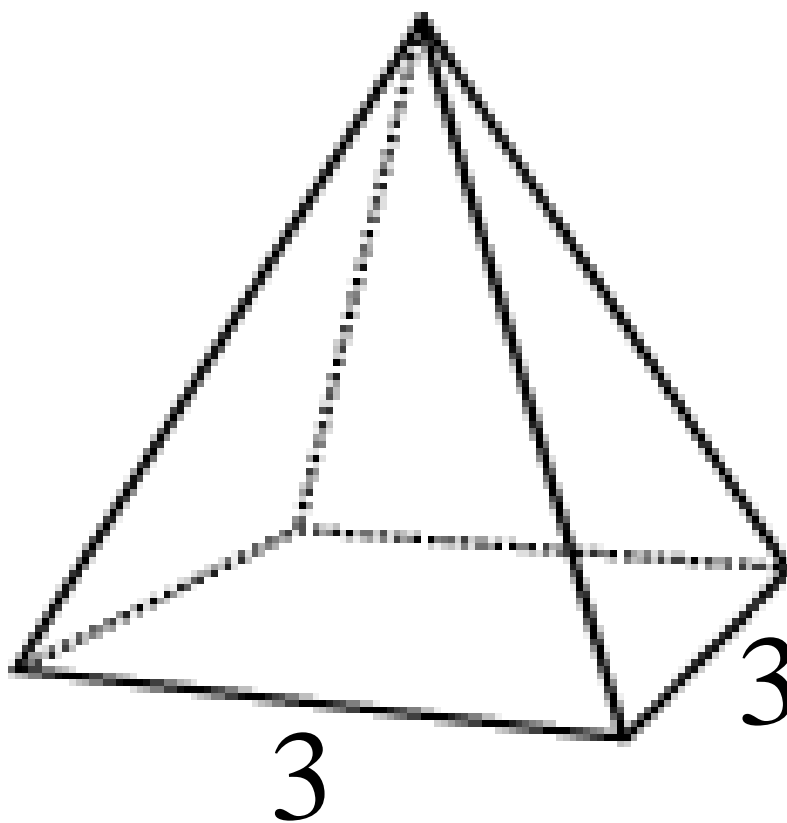
vertex

edge

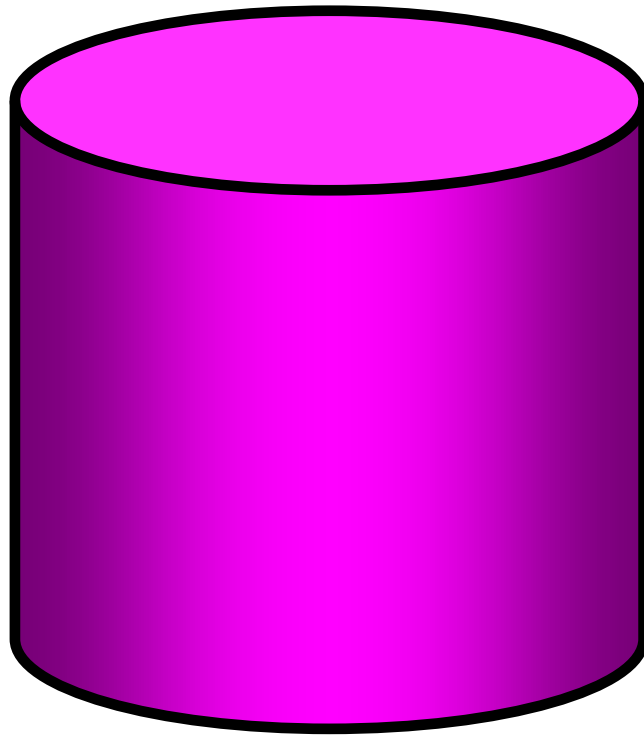
# Rectangular Prism



# Square Pyramid

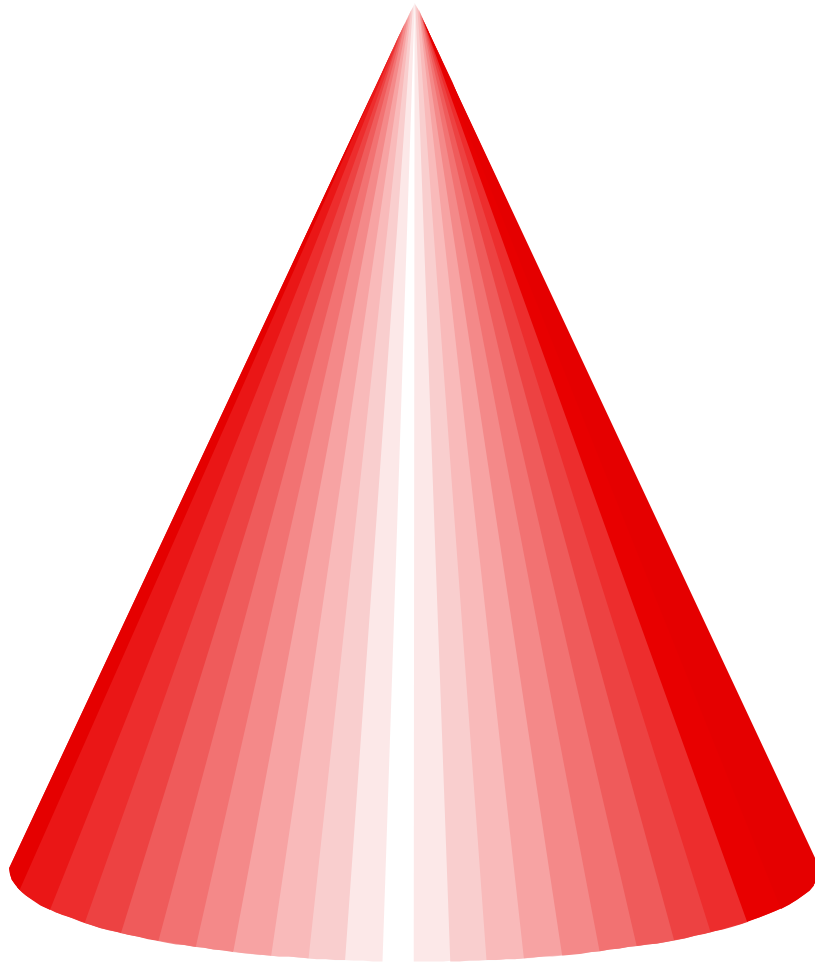


# Cylinder

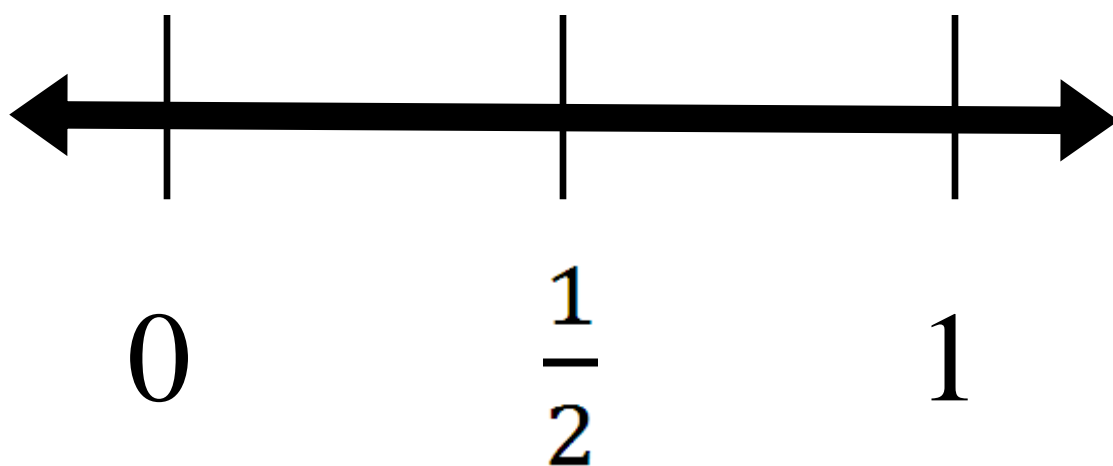




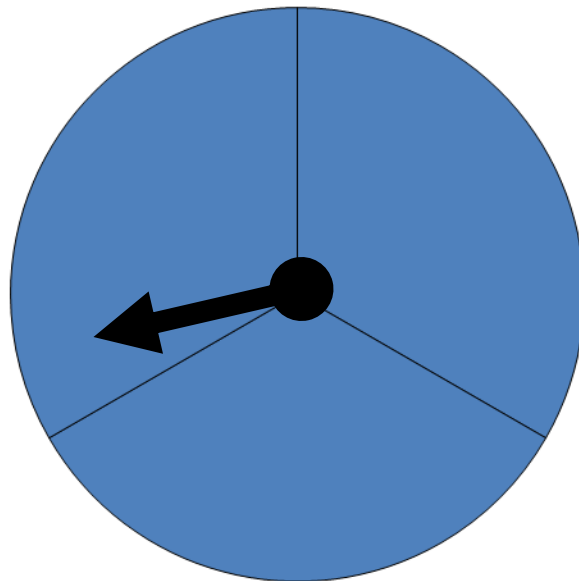
# Cone



# Probability Number Line

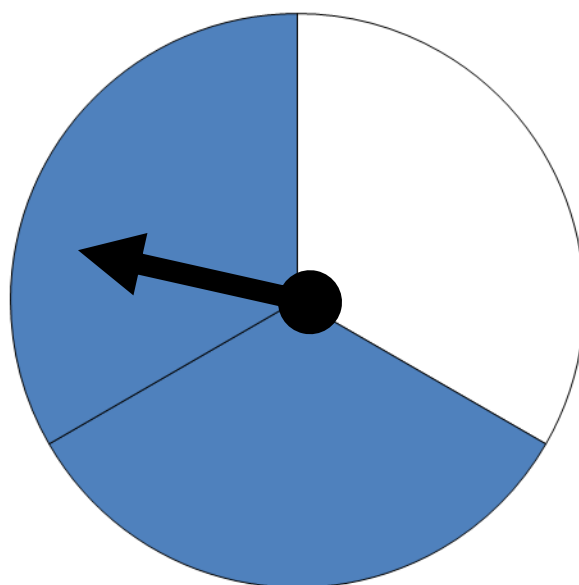


# Certain



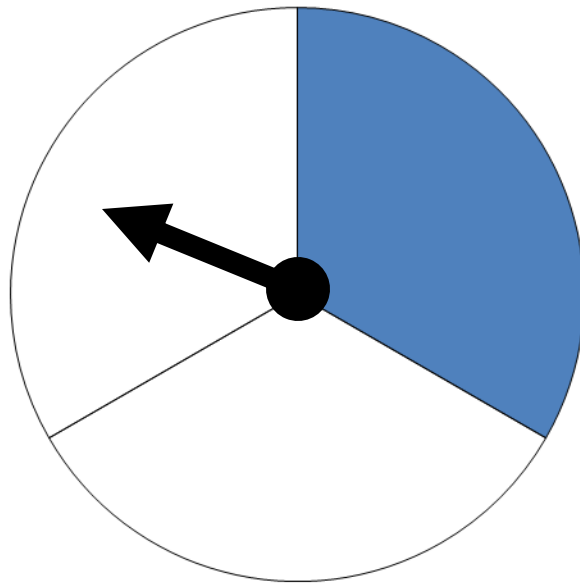
 is certain

# Likely



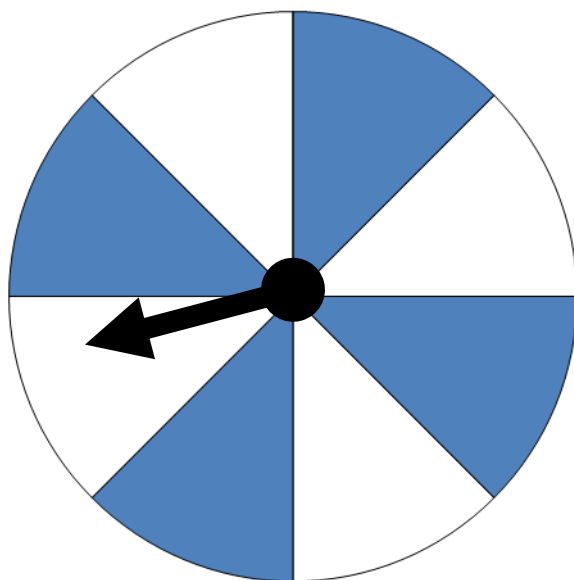
 is likely

# Unlikely



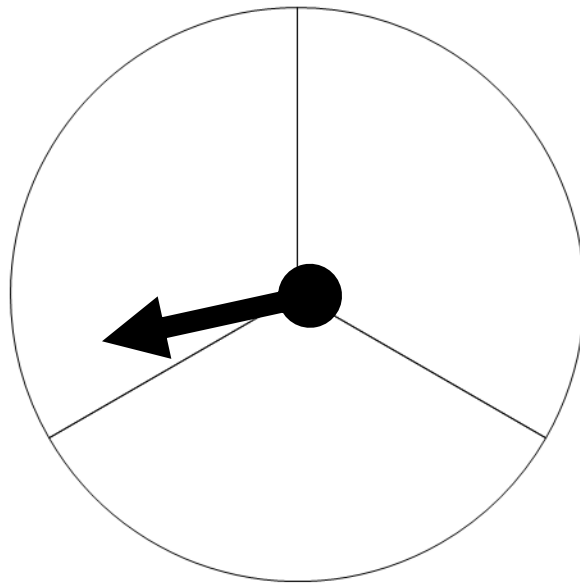
 is unlikely

# Equally likely



 and  are equally likely

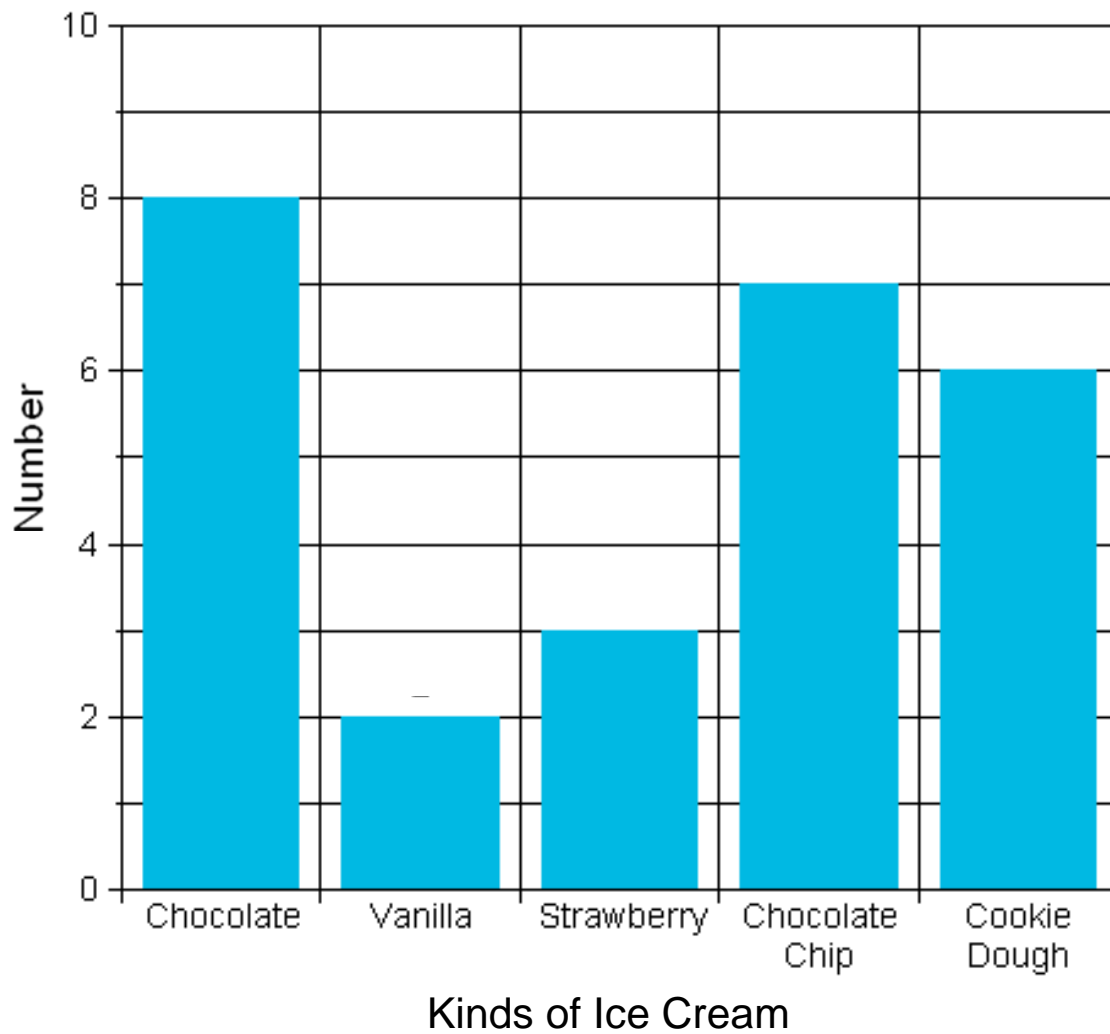
# Impossible



 is impossible

# Bar Graph

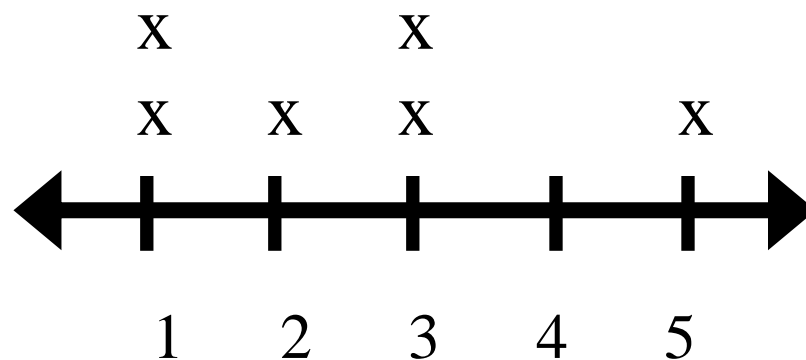
Our Favorite Ice Cream





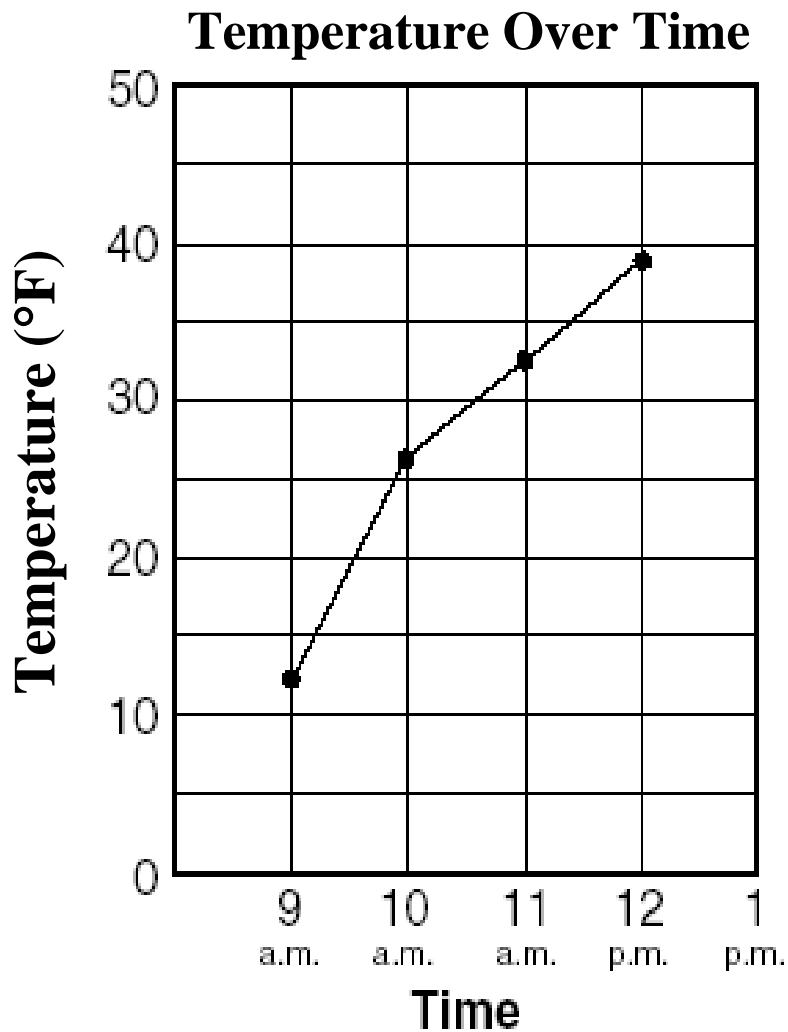
# Line Plot

## Number of Pets

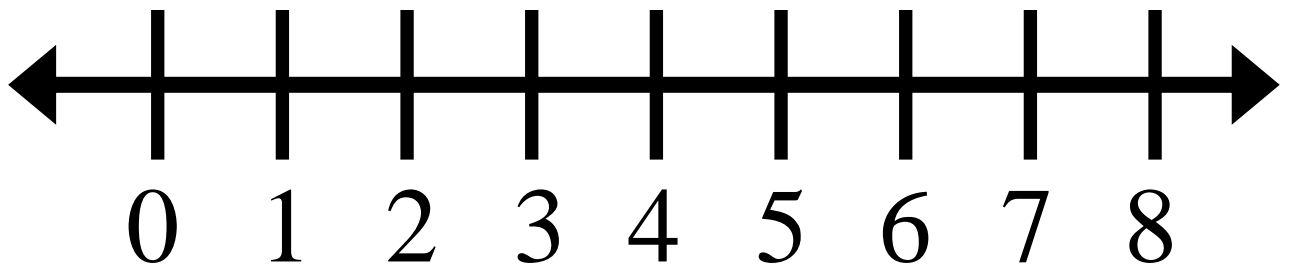


X represents 1 student

# Line Graph



# Number Line



# Equality



$$13 + 25 = 30 + 8$$

# 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:

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