Grade 3 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.**

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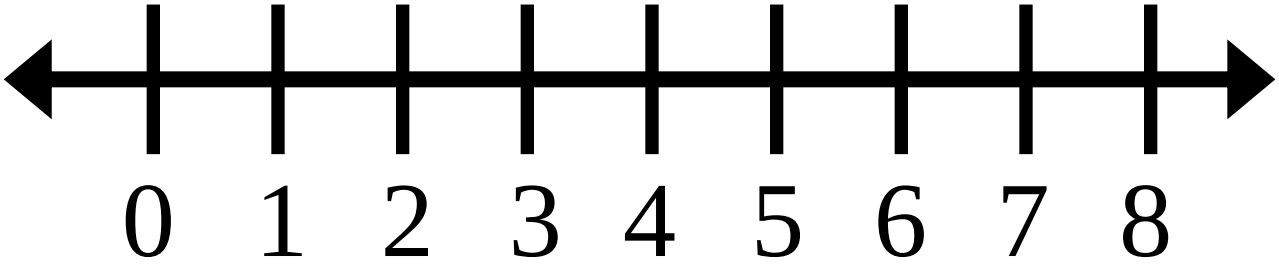
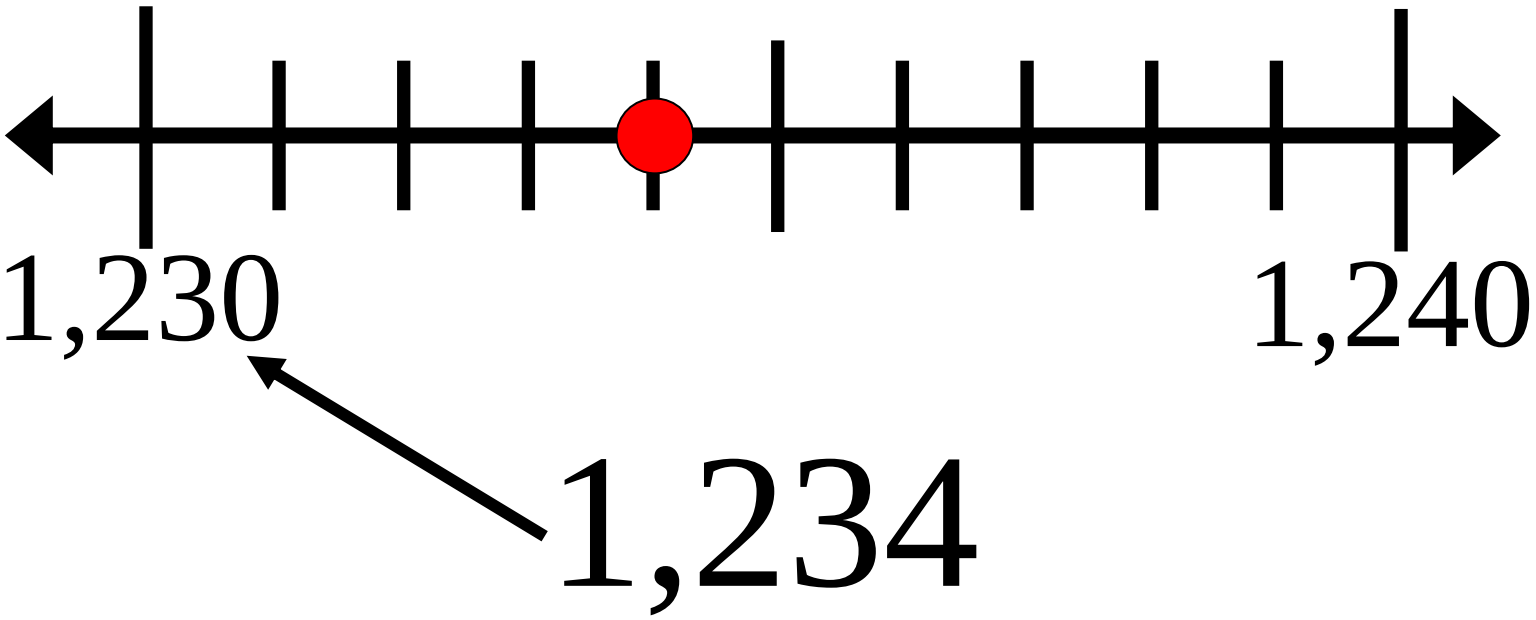
Number Line



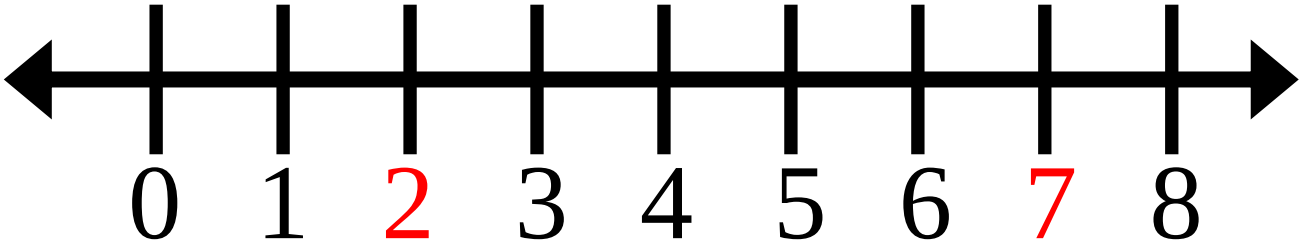
Round



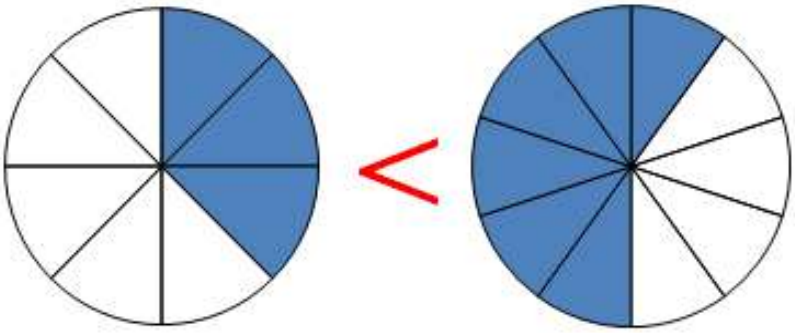
Round 1,234 to the nearest ten.

Less Than

<



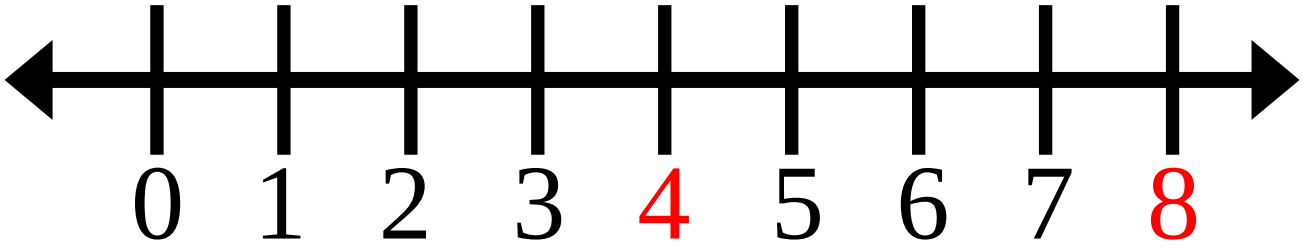
$2 < 7$



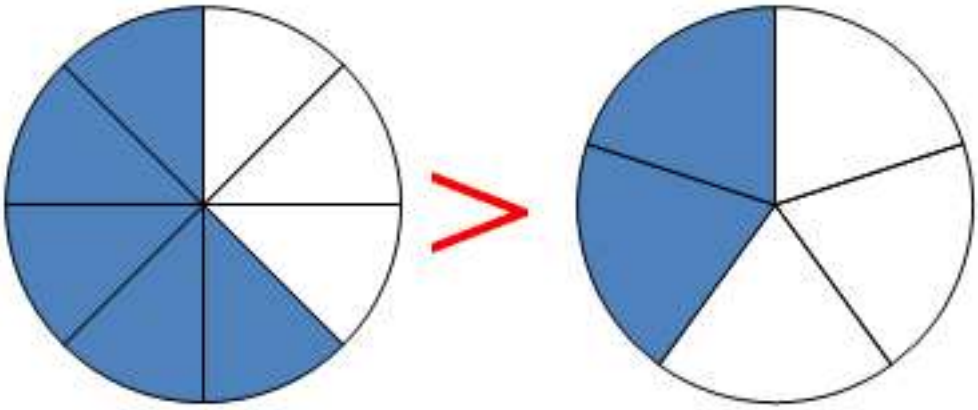
$\frac{3}{8} < \frac{6}{10}$

Greater Than

$>$



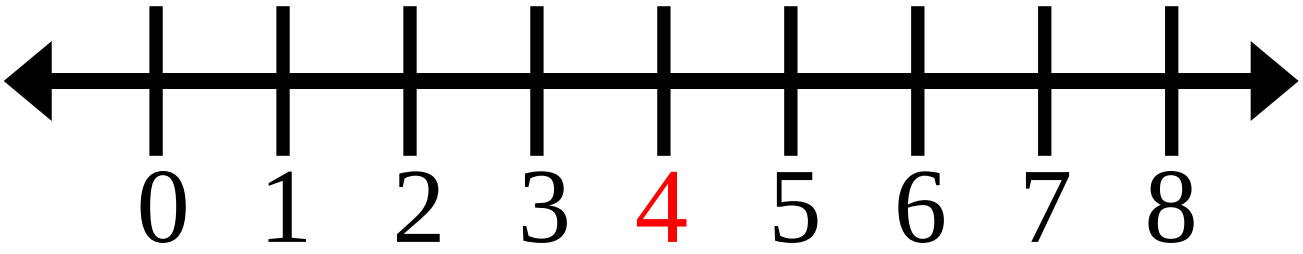
$8 > 4$



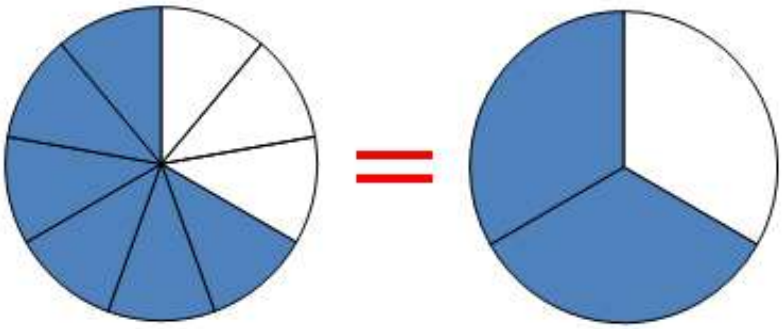
$\frac{5}{8} > \frac{2}{5}$

Equal To

=



$4 = 4$



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

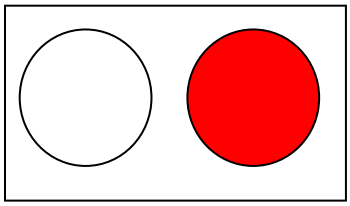
Place Value Position

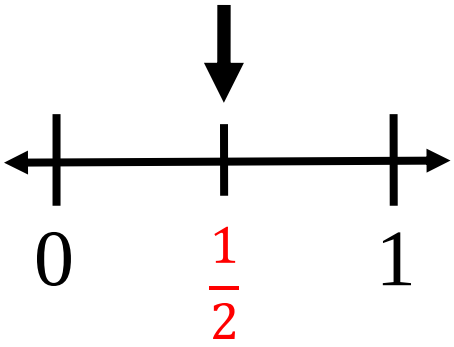
Hundred Thousands	Ten Thousands	One Thousands		Hundreds	Tens	Ones
2	3	5	,	4	8	6

Fraction:

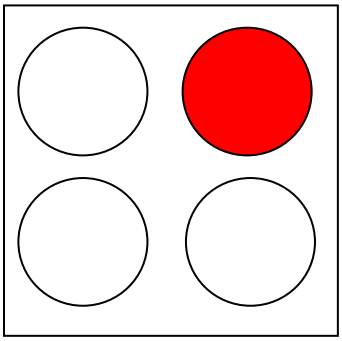
Models for one-half and one-fourth

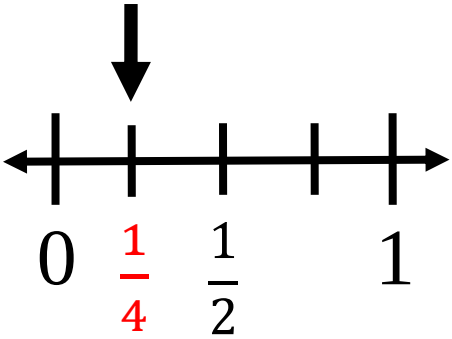
$\frac{1}{2}$





$\frac{1}{4}$

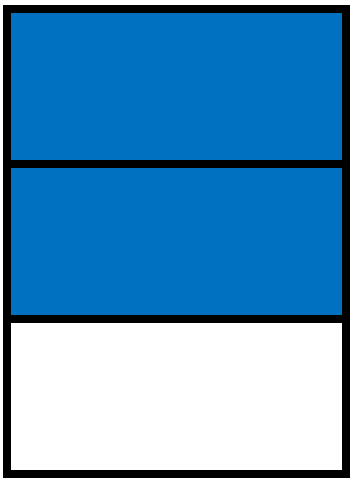


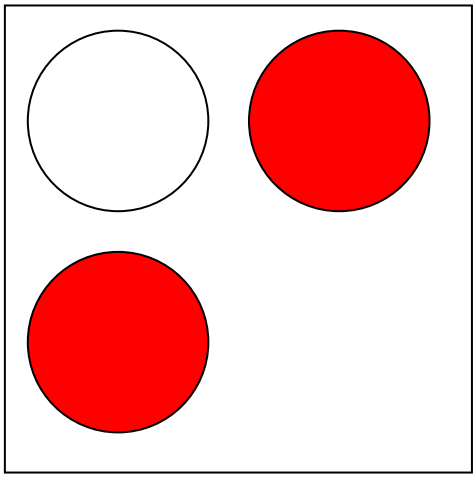


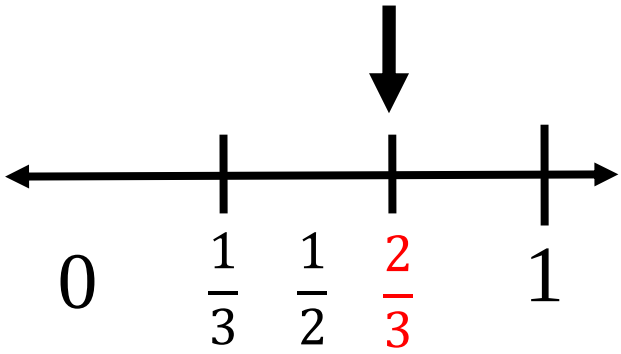
Fraction:

Models for two-thirds

$\frac{2}{3}$



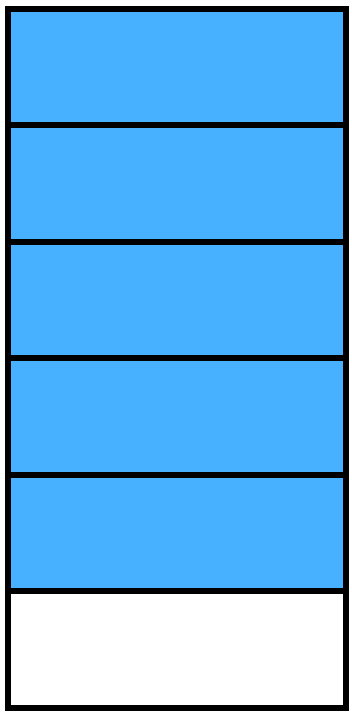


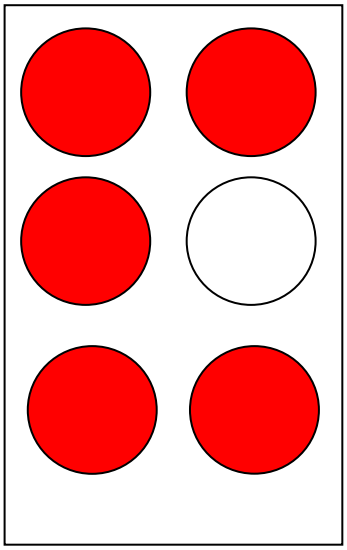


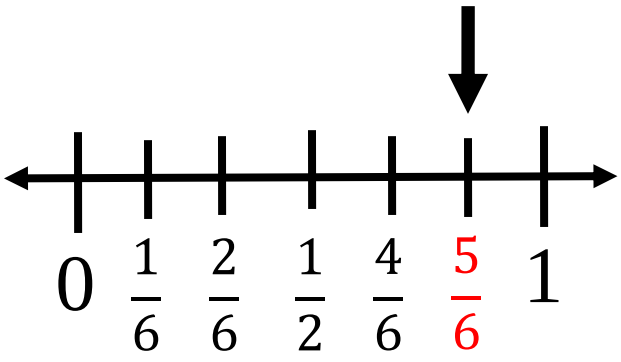
Fraction:

Models for five-sixths

$\frac{5}{6}$



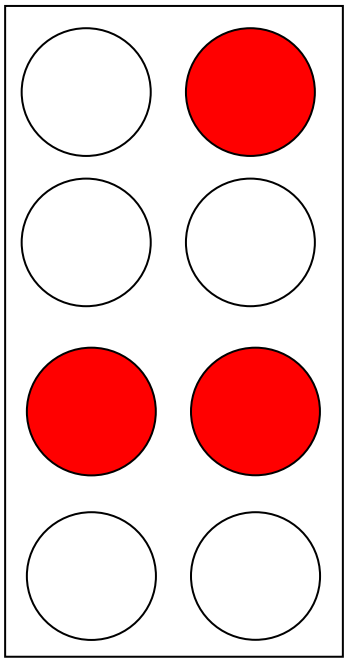


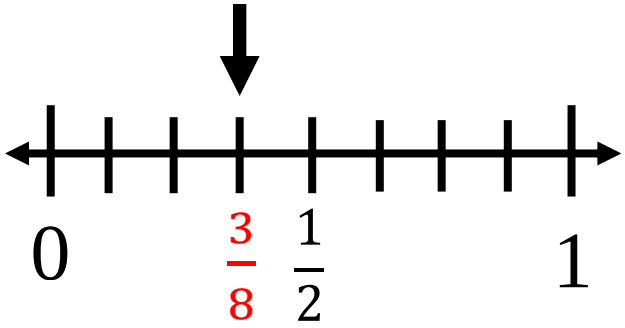


Fraction:

Models for three-eighths

$\frac{3}{8}$





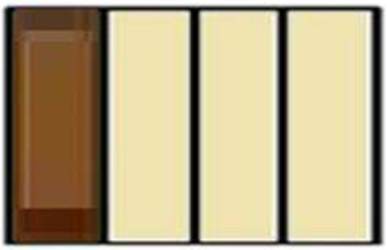
Numerator/ Denominator

numerator
(number of equal parts being considered)

$\frac{2}{3}$

3 denominator
(number of equal parts in the whole)

The candy bar was divided into 4 equal parts. Three friends ate 3 pieces of the candy bar, so $\frac{3}{4}$ of the candy bar has been eaten.

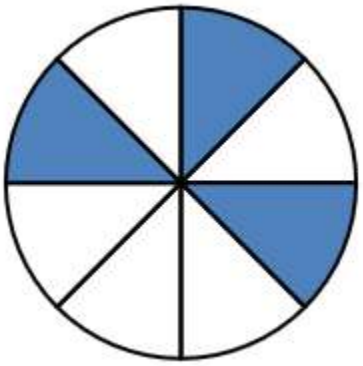


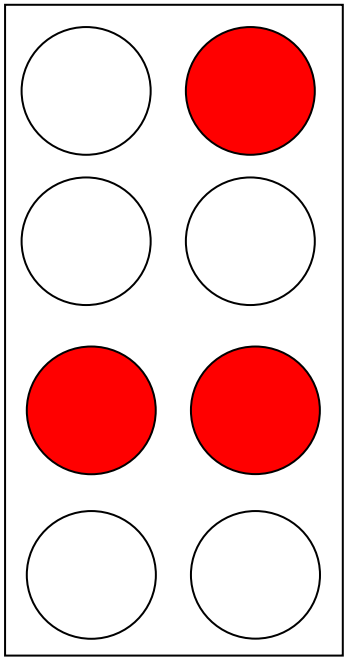
Proper Fraction:

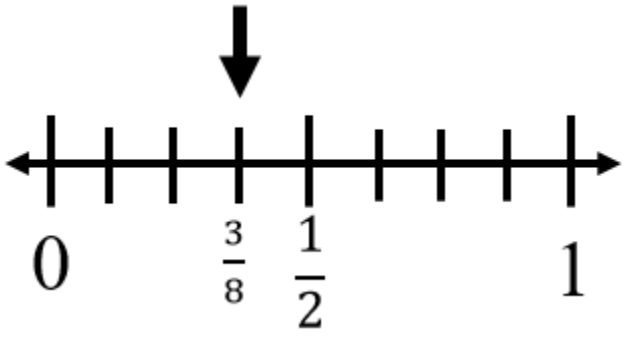
Fraction less than one

(numerator is less than the denominator)

$\frac{3}{8}$





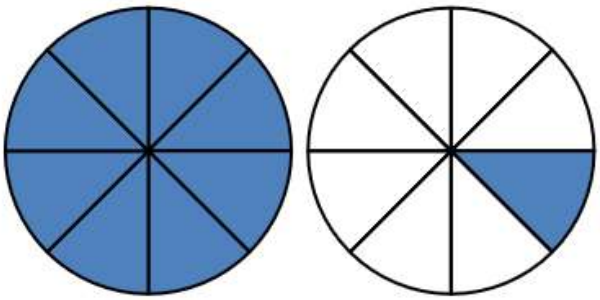


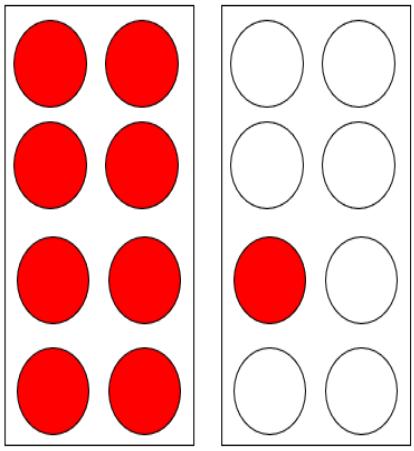
Improper Fraction:

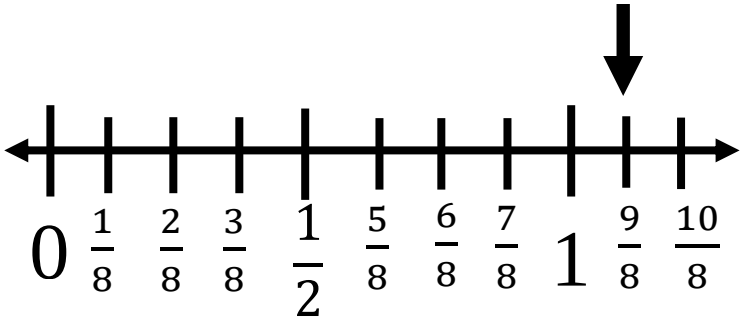
Fraction greater than or equal to one

(numerator is equal to or greater than the denominator)

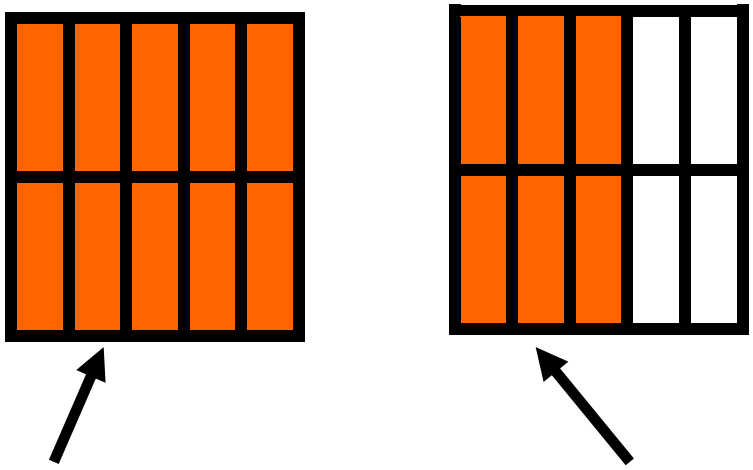
$\frac{9}{8}$







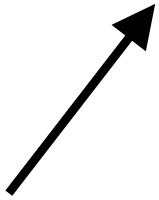
Mixed Number



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

Addition

$$465 + 124 = 589$$

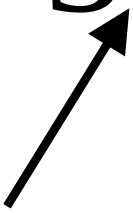


sum

plus

Subtraction

$$465 - 124 = 341$$



difference

minus

Regroup/ Rename

26 is 1 ten and 16 ones

1 ten 16 ones

$$\begin{array}{r} \cancel{2}\,\cancel{6} \\ -\quad 9 \\ \hline 17 \end{array}$$

Multiply

$3 \times 4 = 12$

product

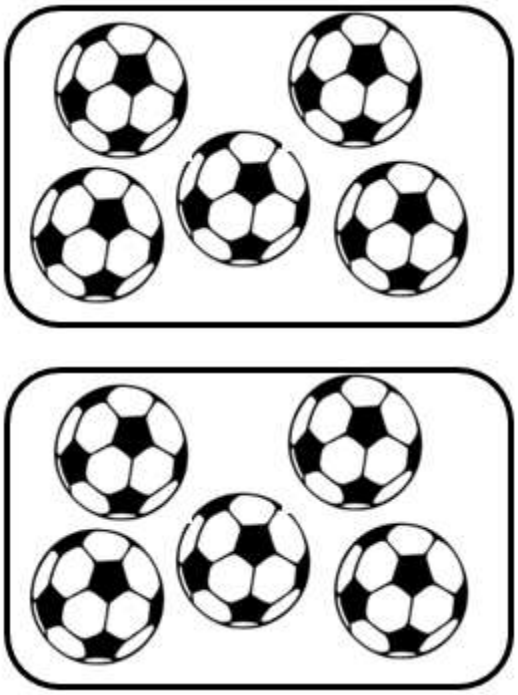
$\times$

times

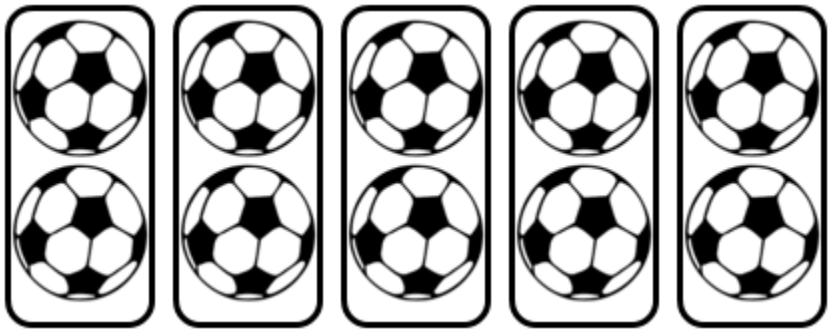
Multiplication:
Set Model

2 x 5

2 groups of 5
soccer balls
in each group



5 x 2

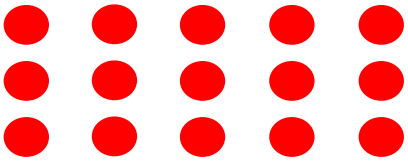


5 groups of 2
soccer balls
in each group

Multiplication:

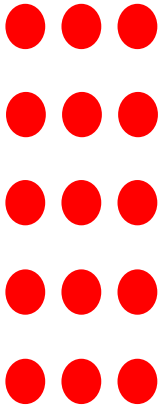
Array Model

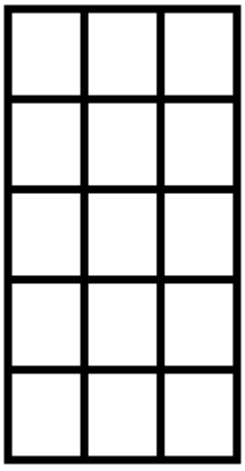
(an arrangement of objects in rows and columns)



3 x 5

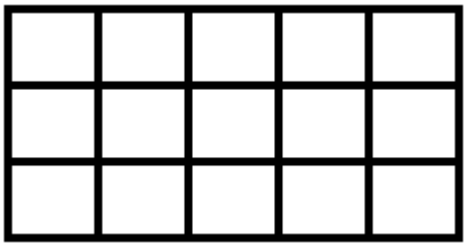
5 x 3





5 rows of 3

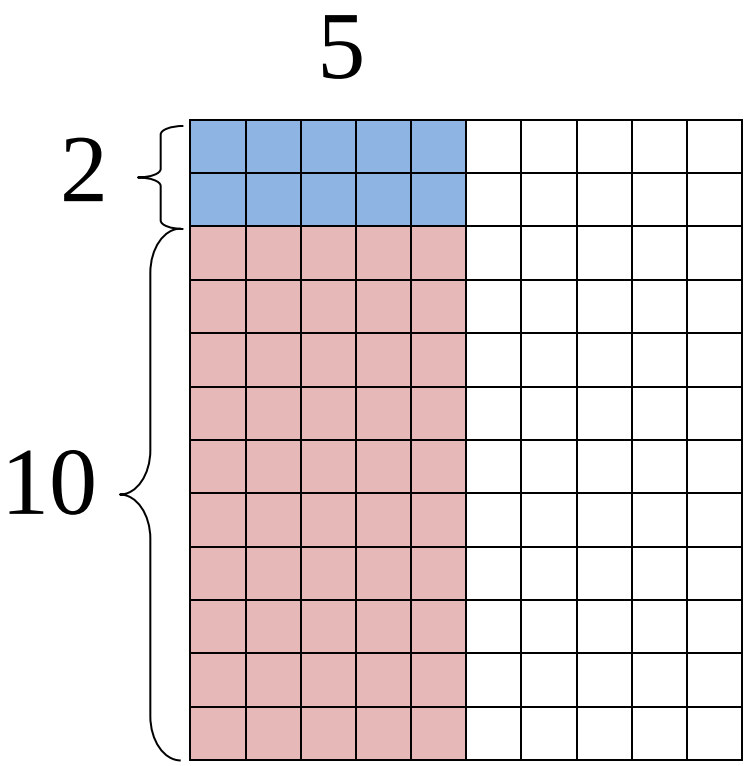
3 rows of 5



Multiplication:

Area (array) Model

12 x 5



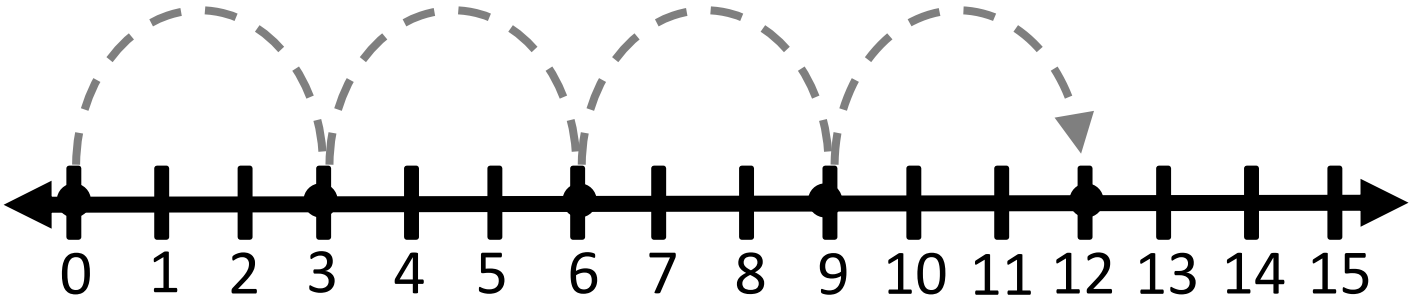
10 x 5 = 50
+ 2 x 5 = 10
60

12 x 5 = 50

Multiplication:
Number Line Model

4 x 3

4 x 3 = 12



Divide

$$4\overline{)12}\quad 3$$

$$12 \div 4 = 3$$

quotient

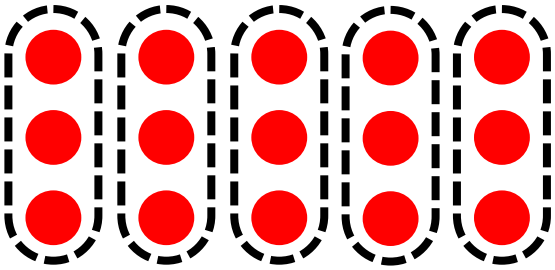
$\div$

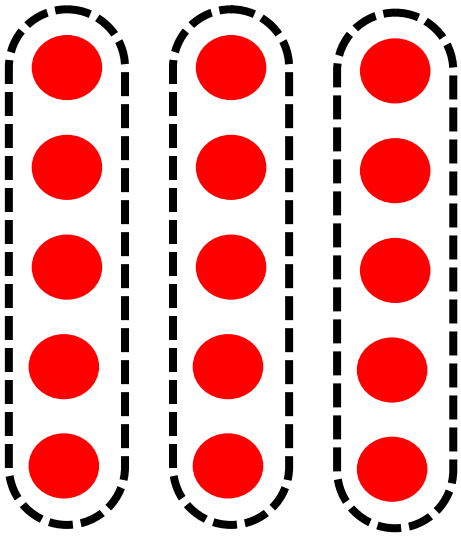
divided by

Division:

Array Model

15 candies – if each friend is given 3, there is enough to share with 5 friends

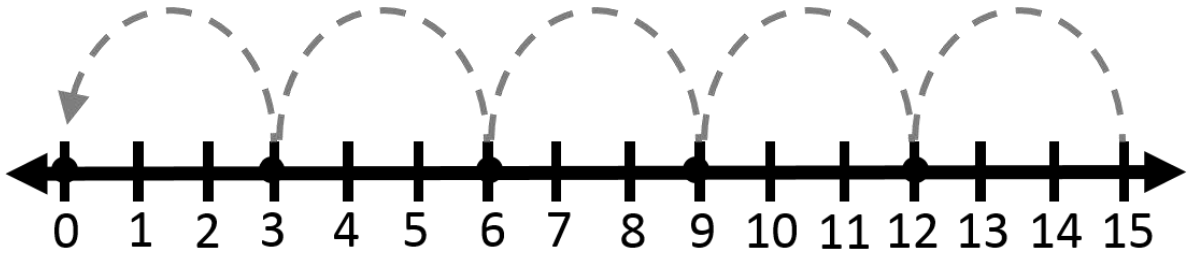




15 candies to be shared among 3 friends means each friend will receive 5 candies

Division:

Number Line



$15 \div 3 = 5$

The race is 15 miles long. If each team member will run 3 miles, 5 team members will be needed.

Related Facts:

Addition /Subtraction

$$5 + 1 = 6$$

$$1 + 5 = 6$$

$$6 - 1 = 5$$

$$6 - 5 = 1$$

Related Facts:
Multiplication/Division

$2 \times 3 = 6$

$3 \times 2 = 6$

$6 \div 3 = 2$

$6 \div 2 = 3$

Equation:
Number Sentence

$8 = 3 + 5$

$6 - 2 = 4$

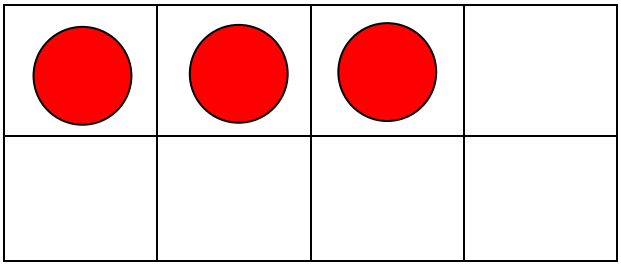
$17 + 13 + 9 = 39$

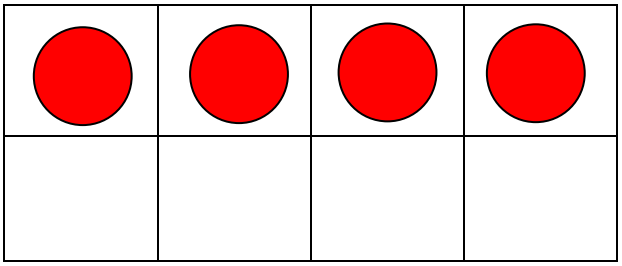
$4 \times 3 = 14 - 2$

Fraction:

Addition

$$\begin{array}{r} \frac{3}{8} \\ + \frac{4}{8} \\ \hline \frac{7}{8} \end{array}$$

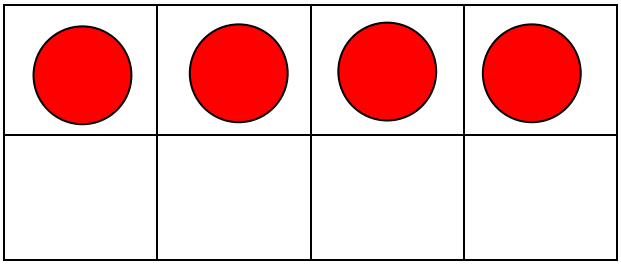


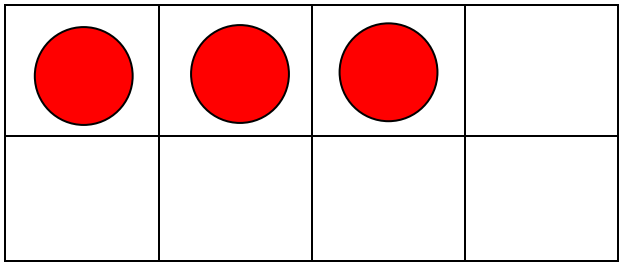


Fraction:

Subtraction

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





Penny

1¢

one cent

$0.01

Nickel

5¢

five cents

$0.05

Dime

10¢

ten cents

$0.10

Quarter

25¢

twenty-five cents

$0.25

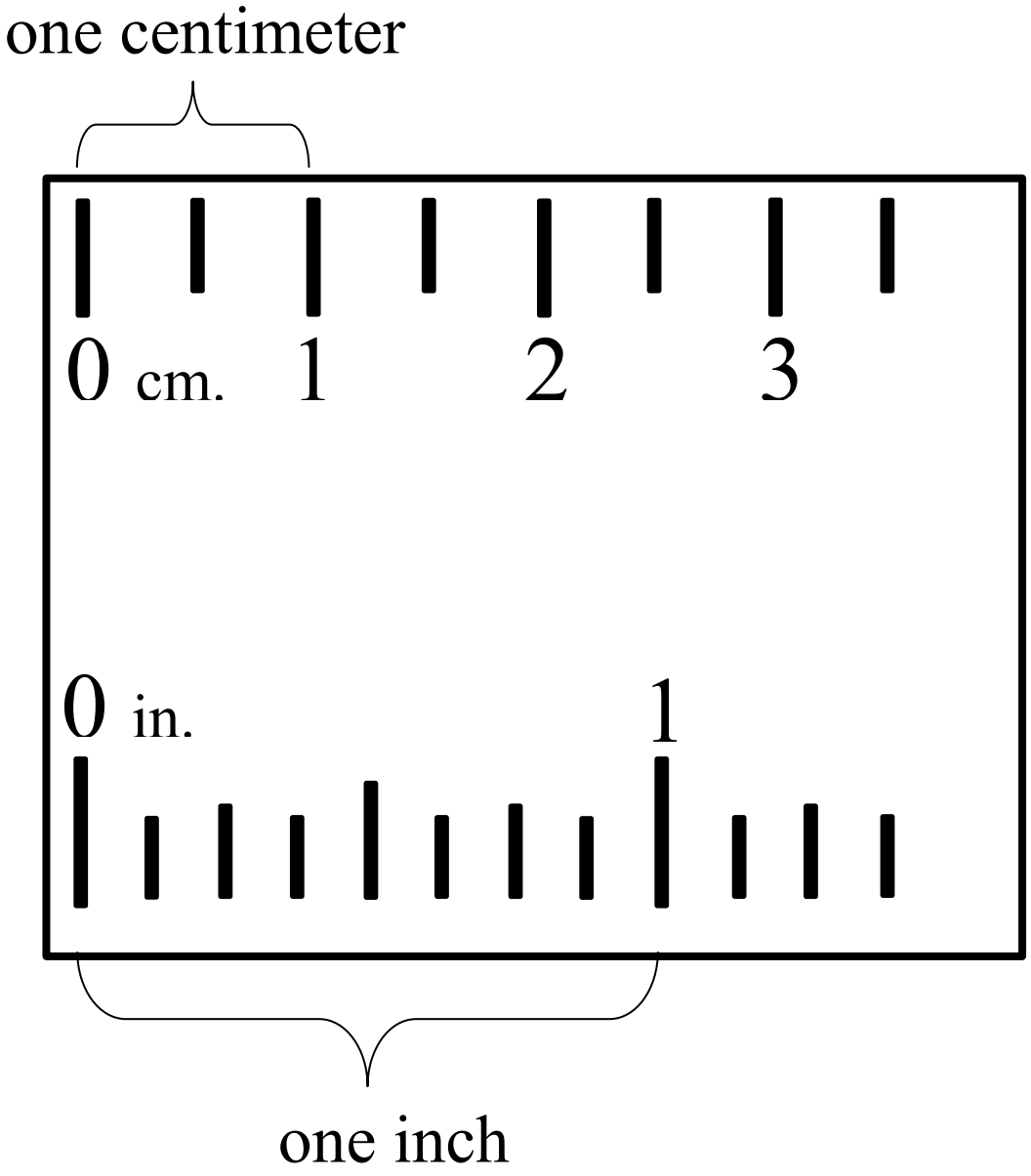
Dollar

$1.00

One hundred cents

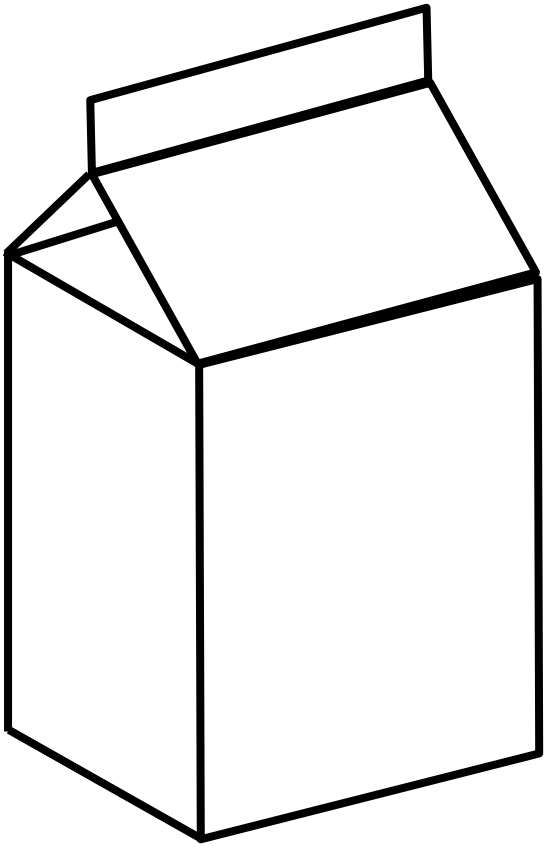
Ruler:

Centimeter and Inch

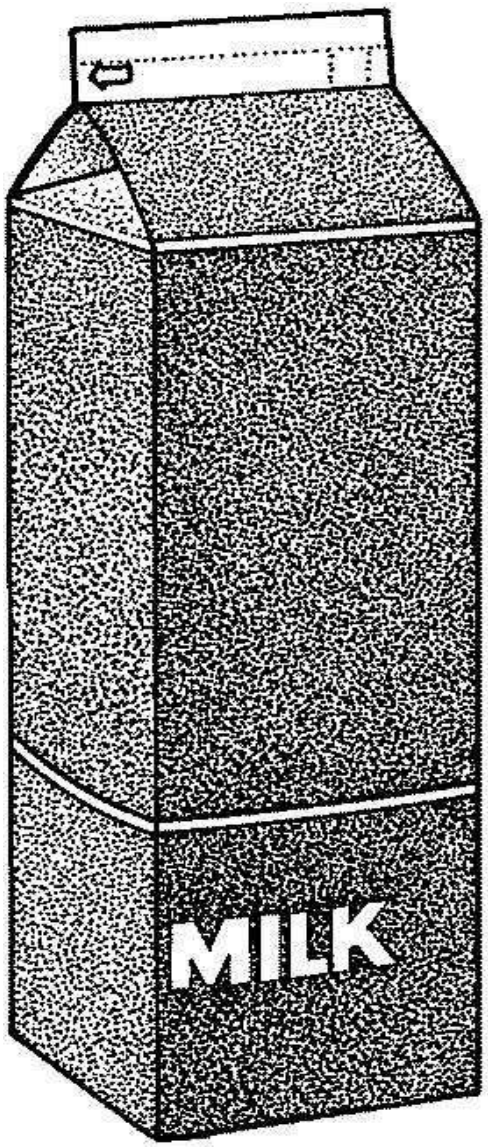


Cup

Pint

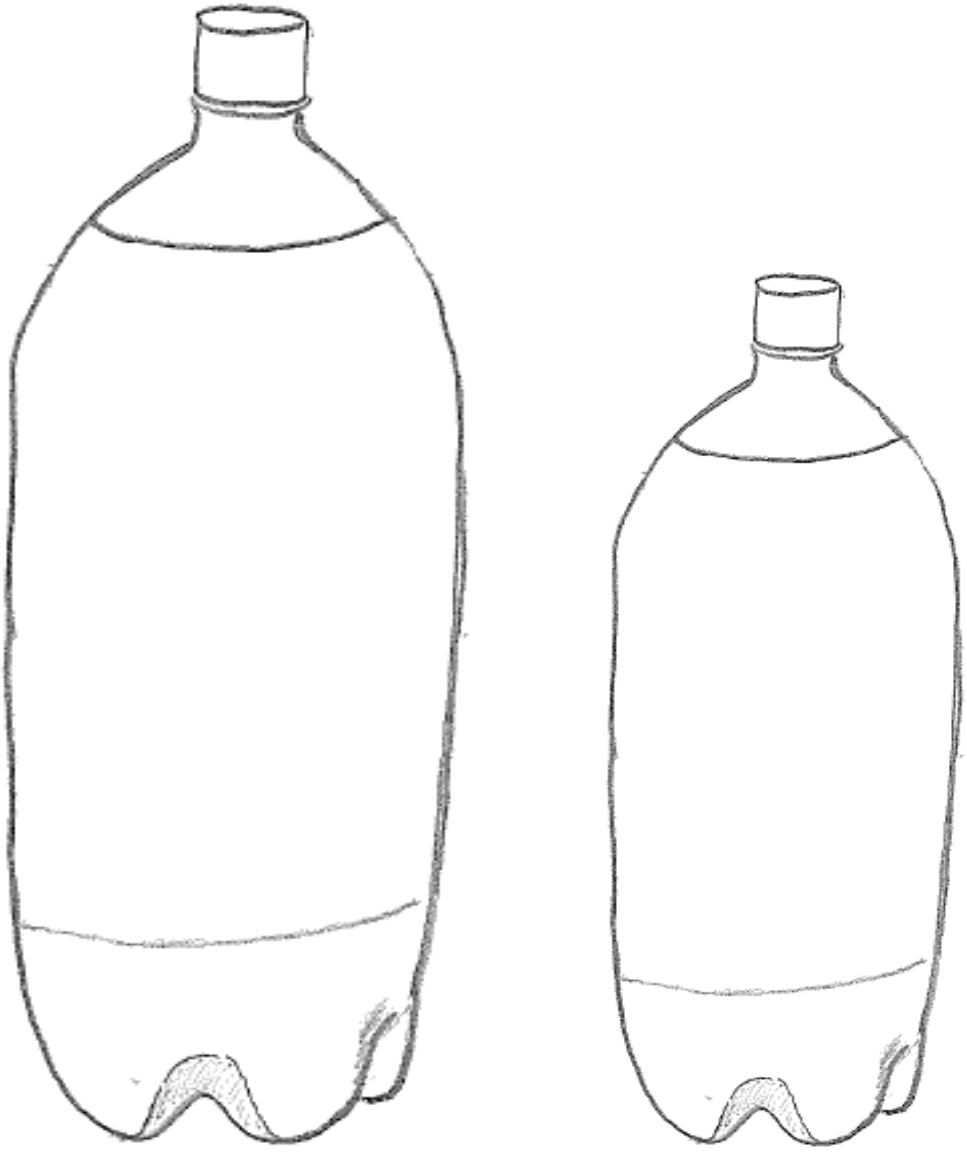


Quart



Gallon

Liter

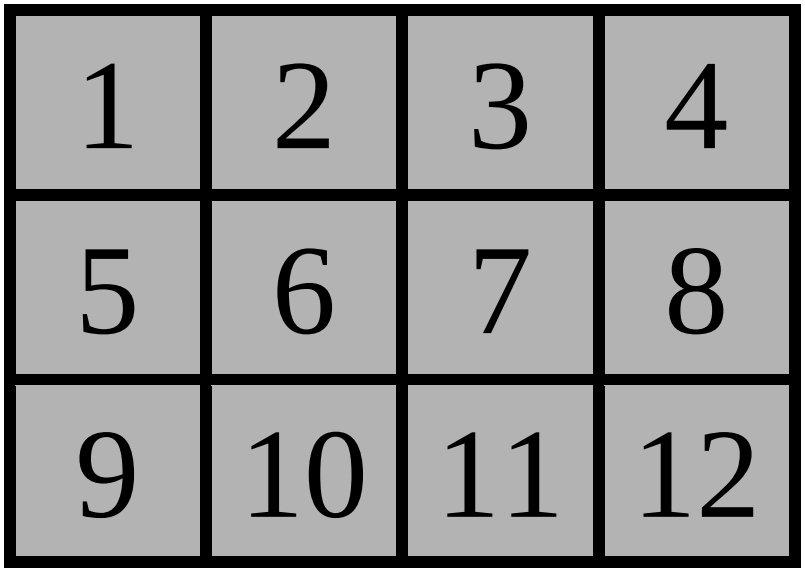


2 liters

1 liter

Area:

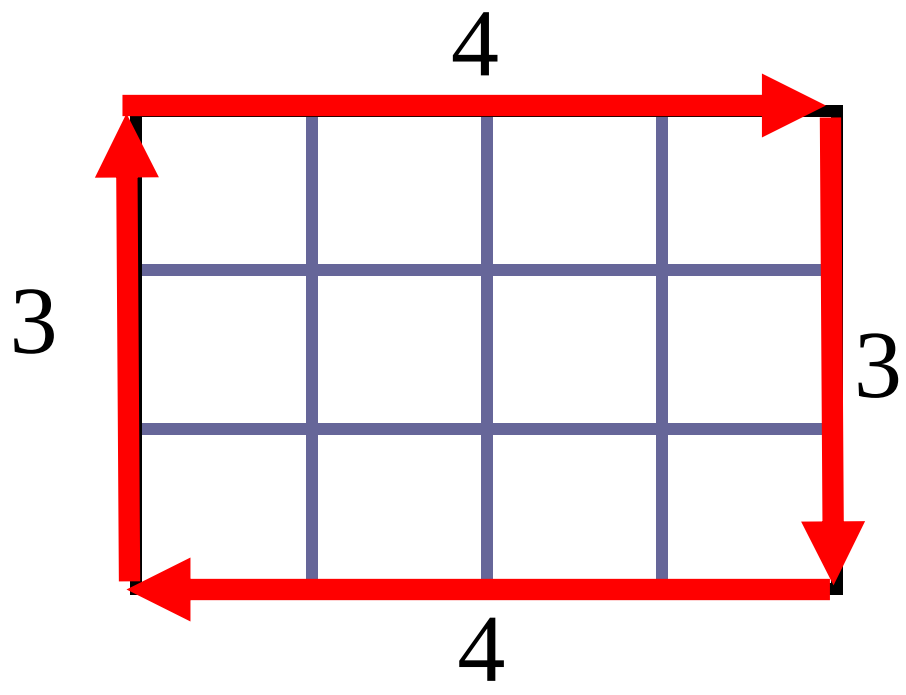
Square Units



12 square units

Perimeter:

Units



3 + 4 + 3 + 4

14 units

Clock:

Minutes, One-half Hour, One Hour

digital

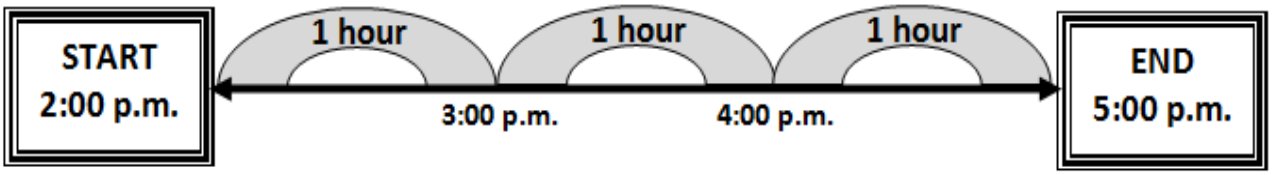
analog

30 minutes = one-half hour
60 minutes = 1 hour
24 hours = 1 day

Elapsed Time

amount of time that has passed between two given times

The movie starts at 2:00 p.m. and ends at 5:00 p.m.



The movie is three hours long.

Calendar

NOVEMBER						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

24 hours = 1 day

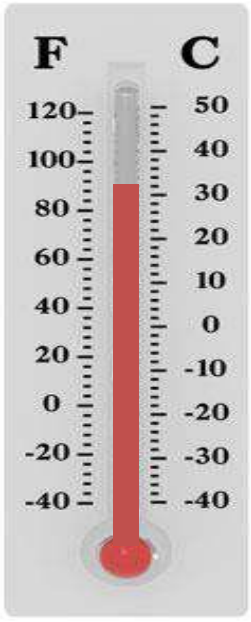
7 days = 1 week

About 30 days = 1 month

$365\frac{1}{4}$ days = 1 year

12 months = 1 year

Thermometer



temperature

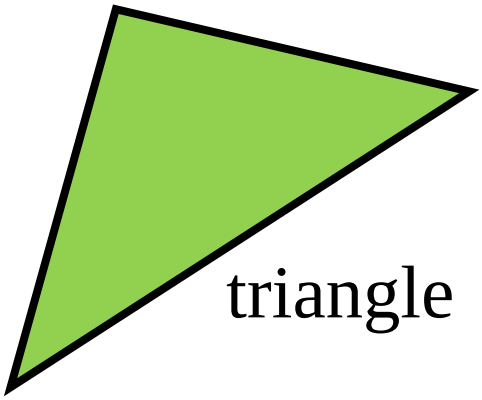
degrees °

Fahrenheit

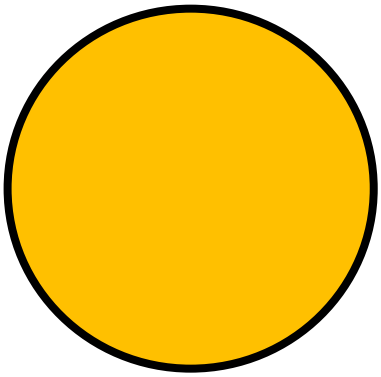
Celsius

Plane Figures

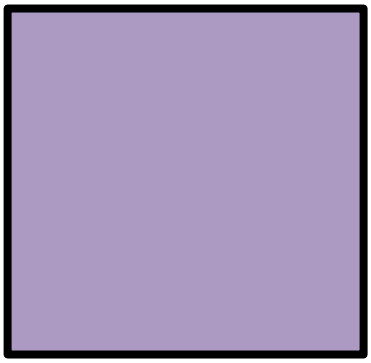
rectangle



triangle

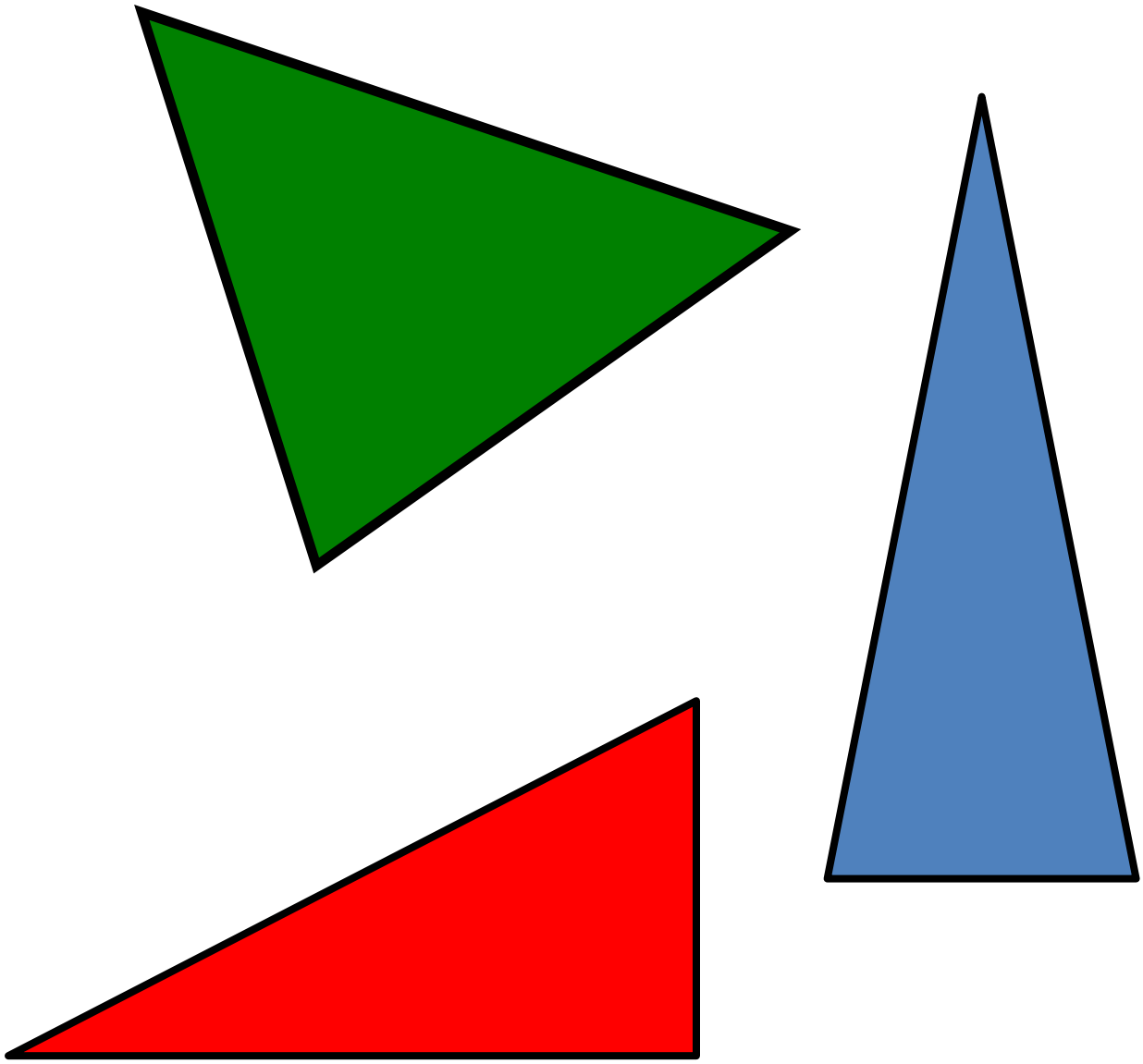


circle

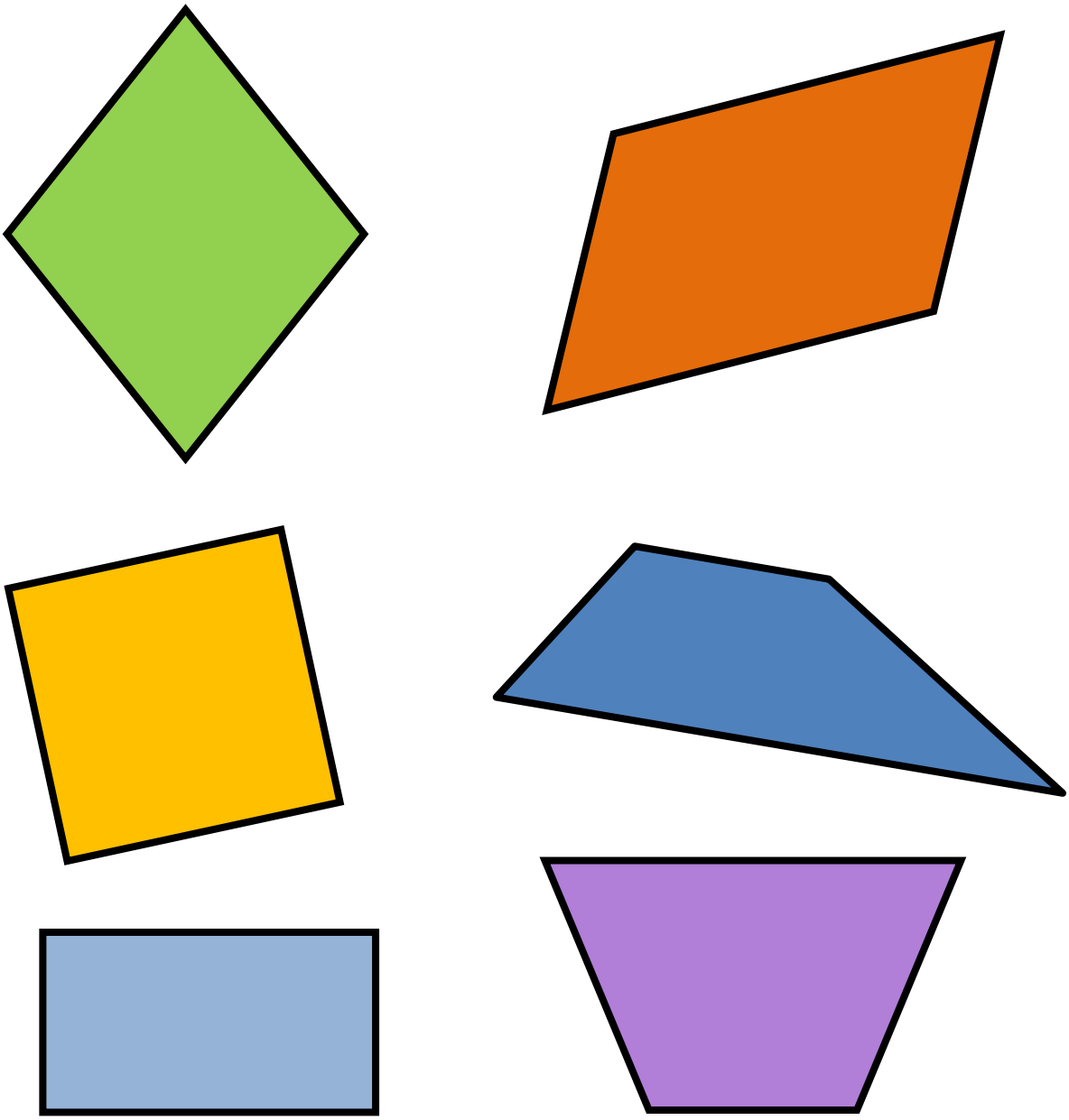


square

Polygons:
Triangles



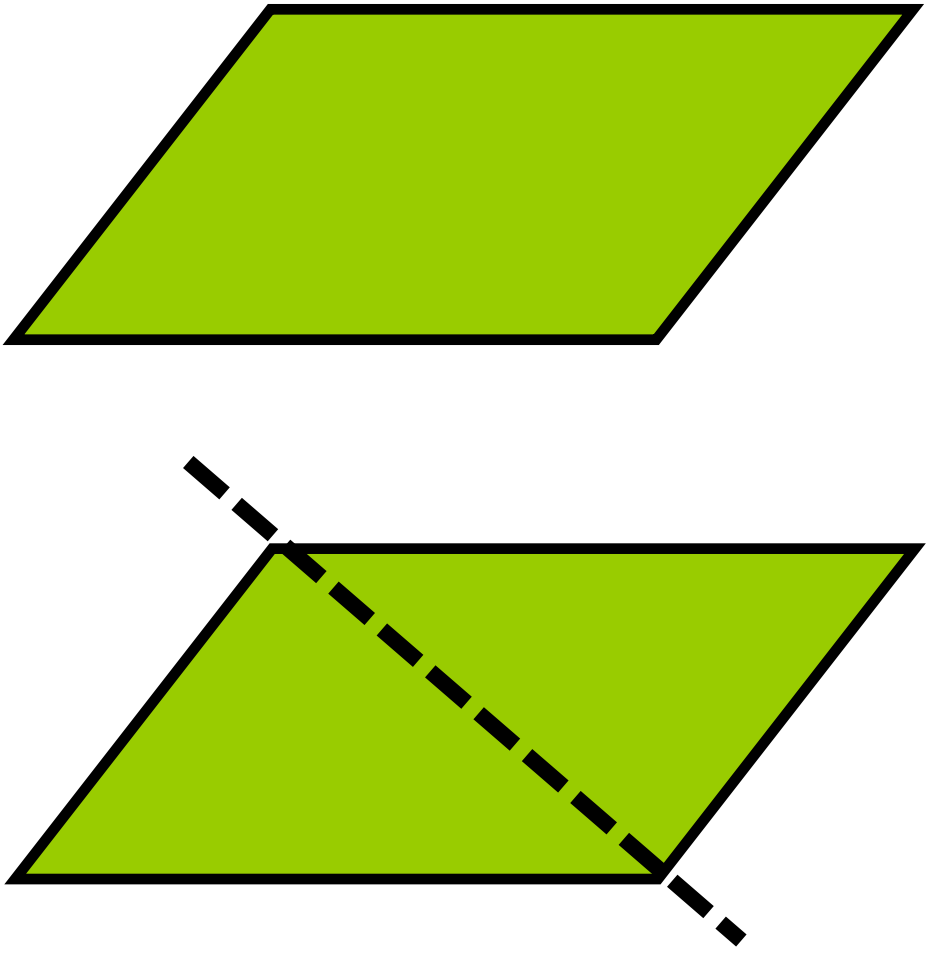
Polygons:
Quadrilaterals



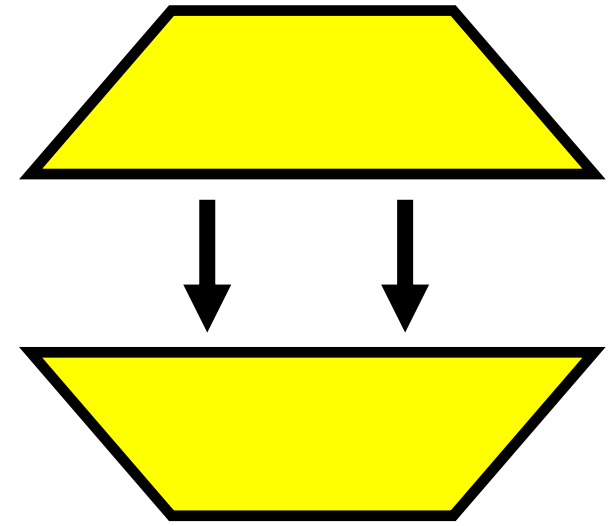
Polygons:
Pentagon, Hexagon, Heptagon, and Octagon

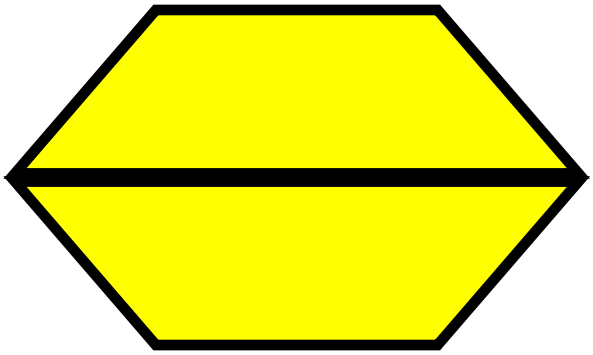
Polygons:
Nonagon and Decagon

Subdivide



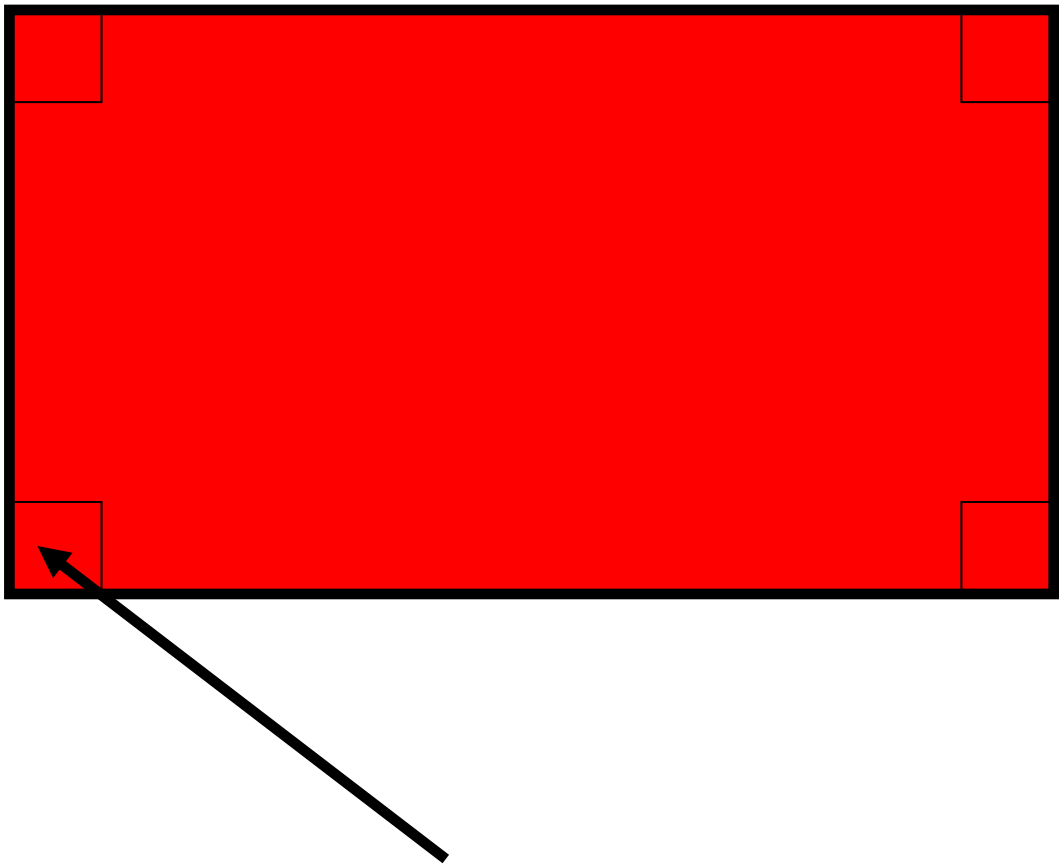
Combine





Rectangle:

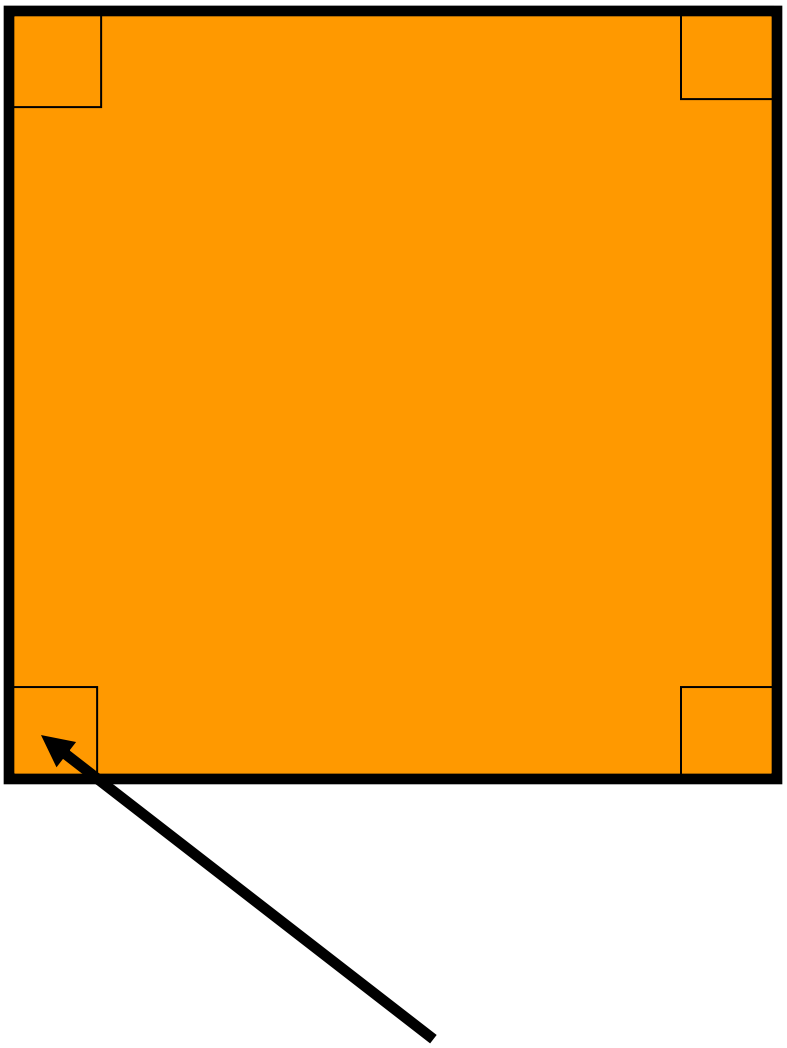
Right Angle



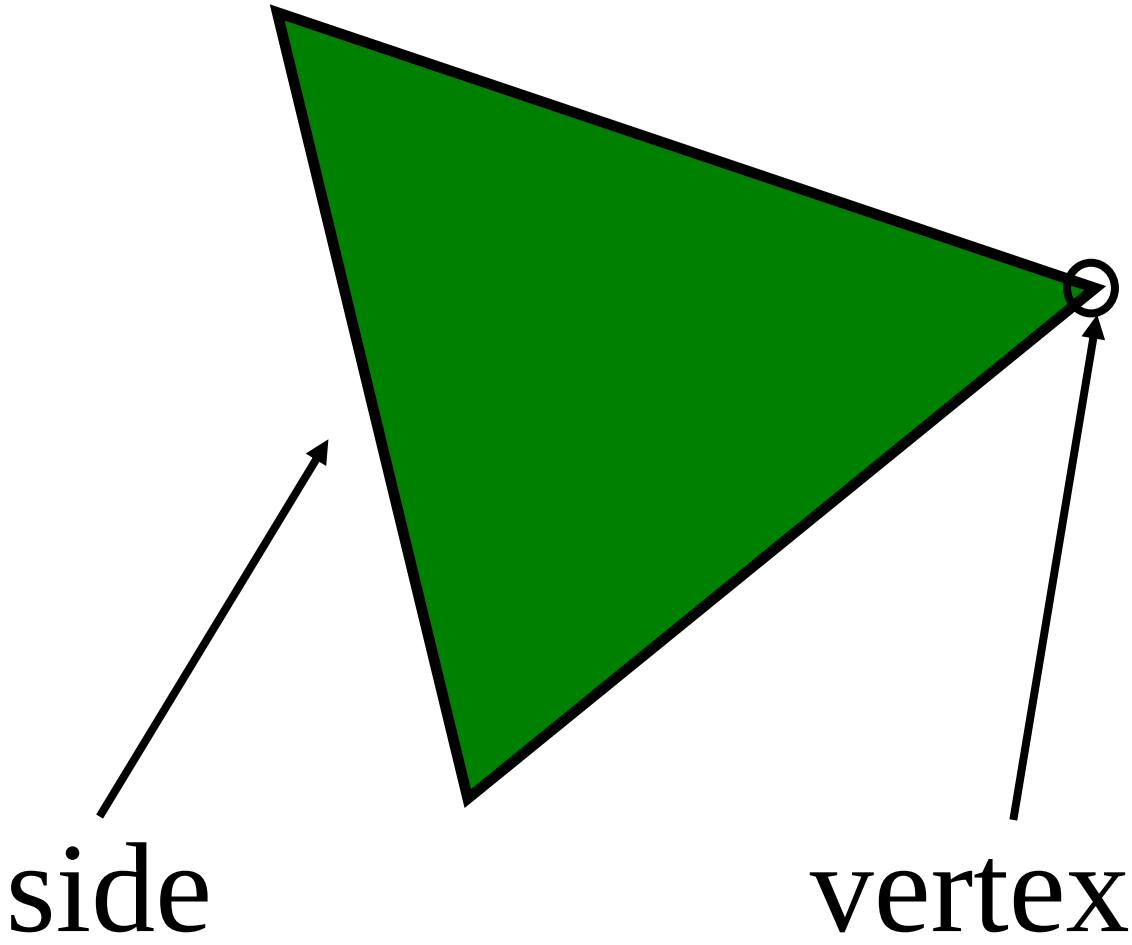
right angle

Square:

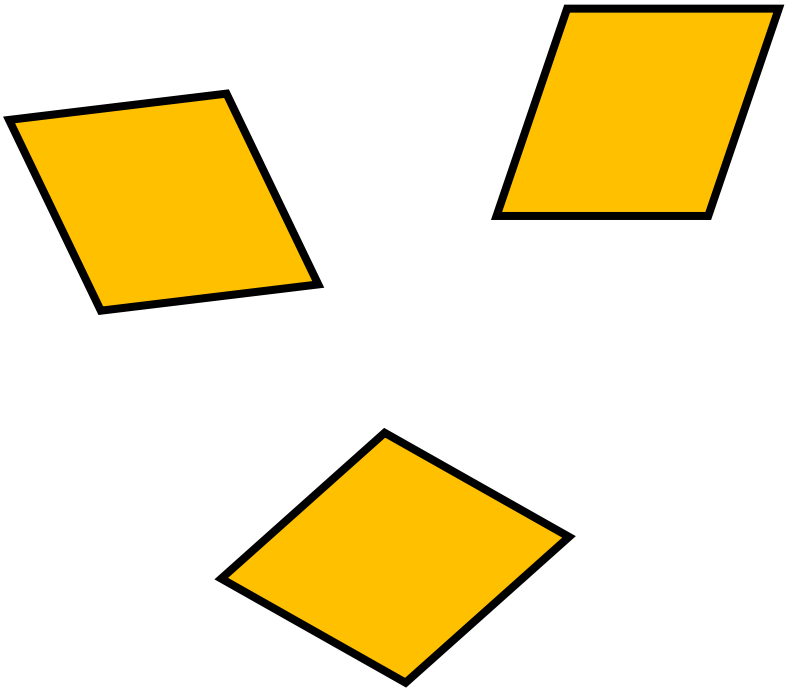
Right Angle



Triangle:
Side and Vertex

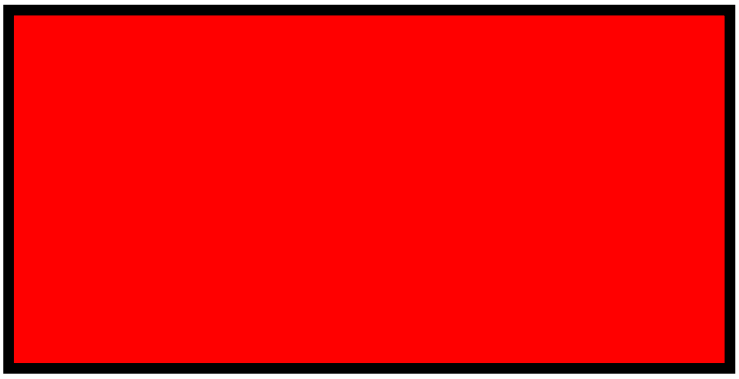


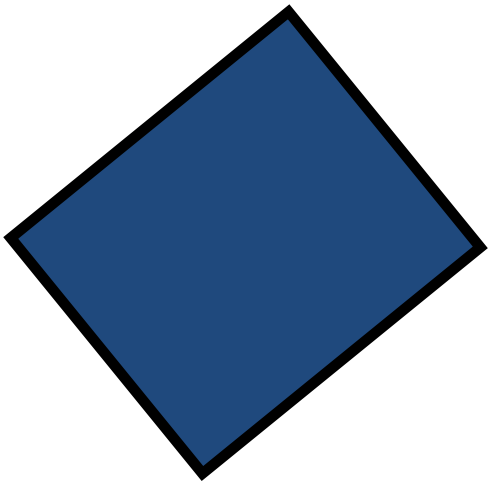
Congruent



same shape and size

Noncongruent

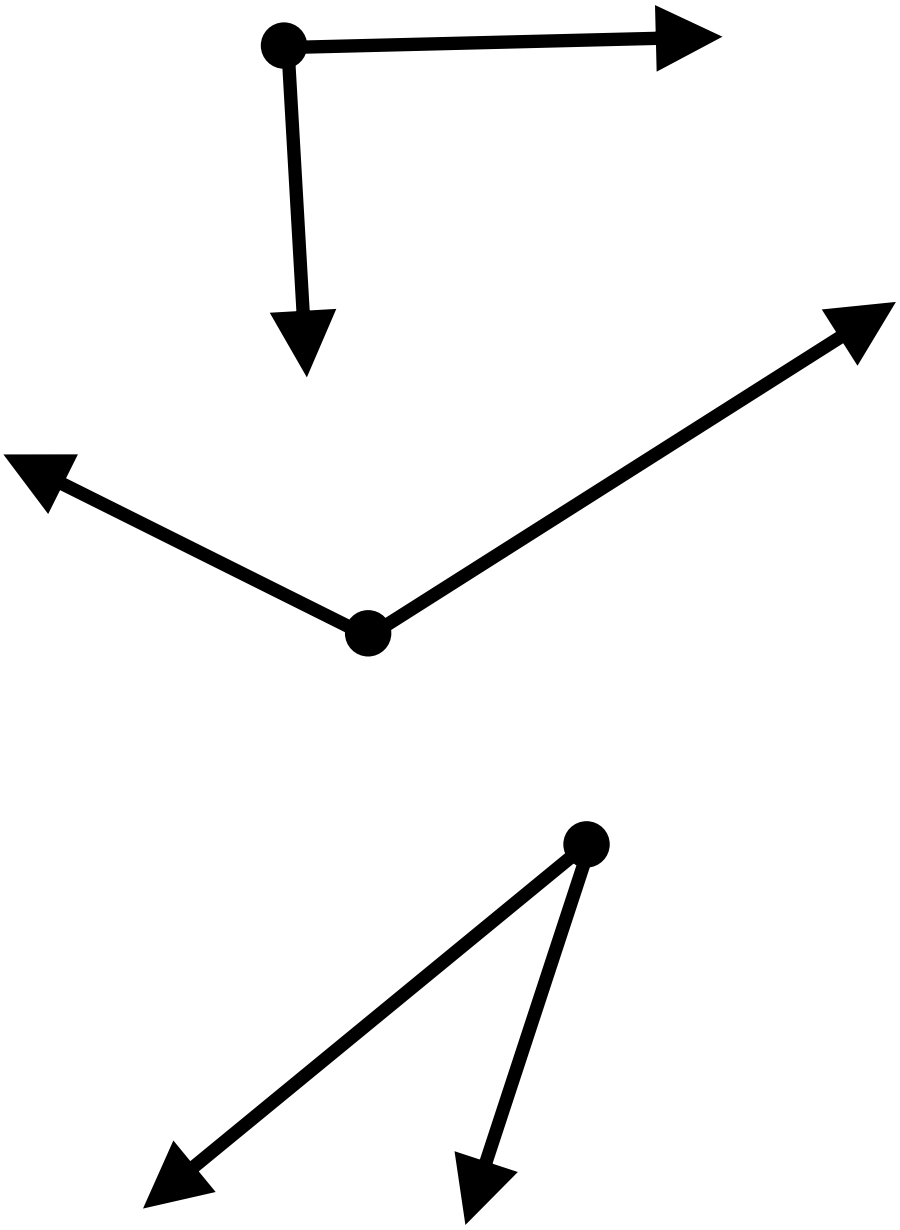




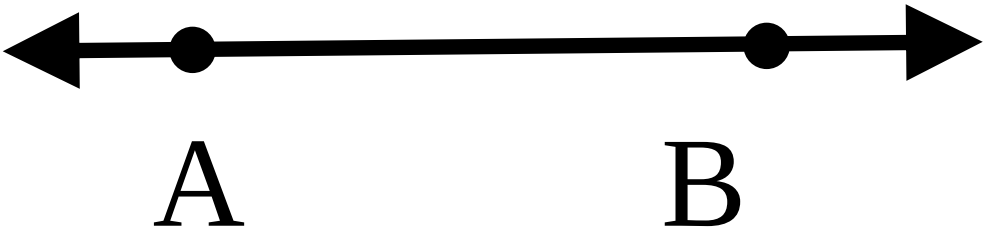
Line Segment

Point

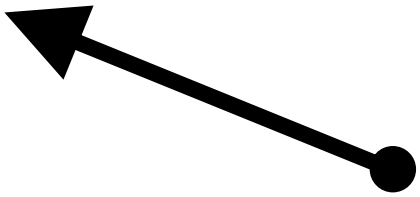
Angle



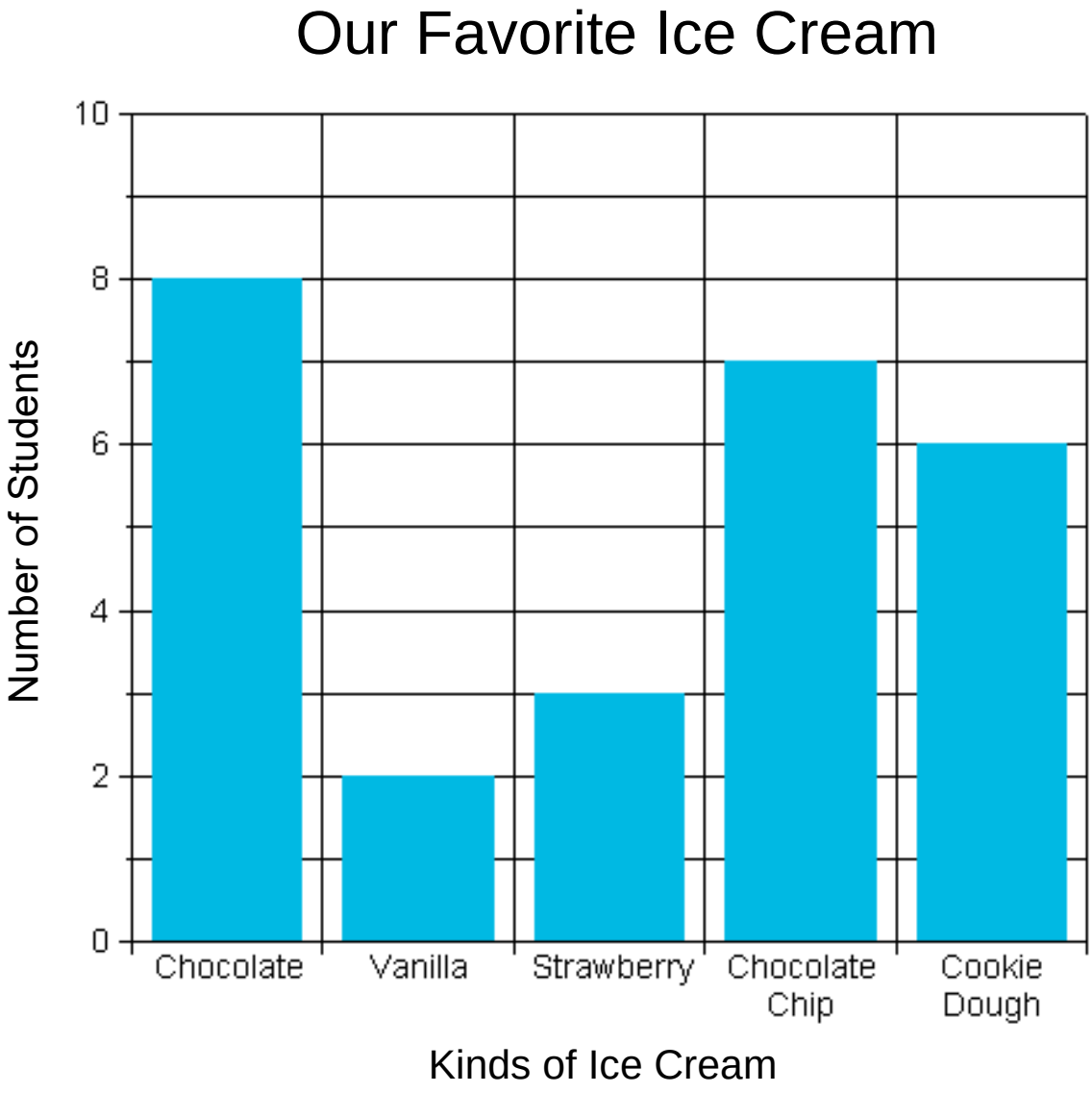
Line



Ray



Bar Graph


Our Favorite Ice Cream
Number of Students
10
8
6
4
2
0
Chocolate
Vanilla
Strawberry
Chocolate Chip
Cookie Dough
Kinds of Ice Cream

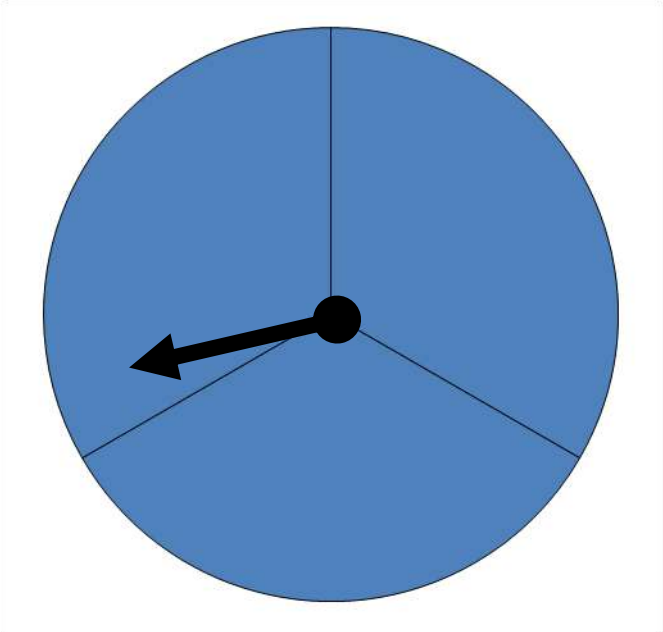
Pictograph

Our Favorite Pets

Cat	Dog	Horse	Fish
			

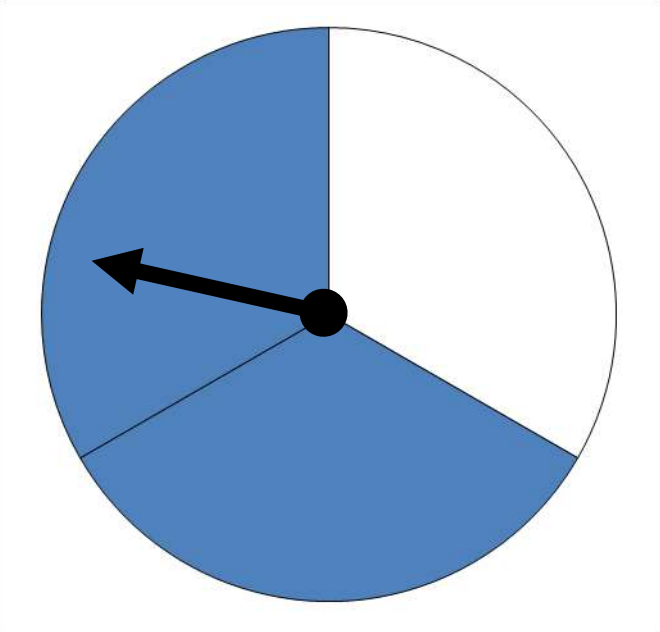
 = 2 students

Certain



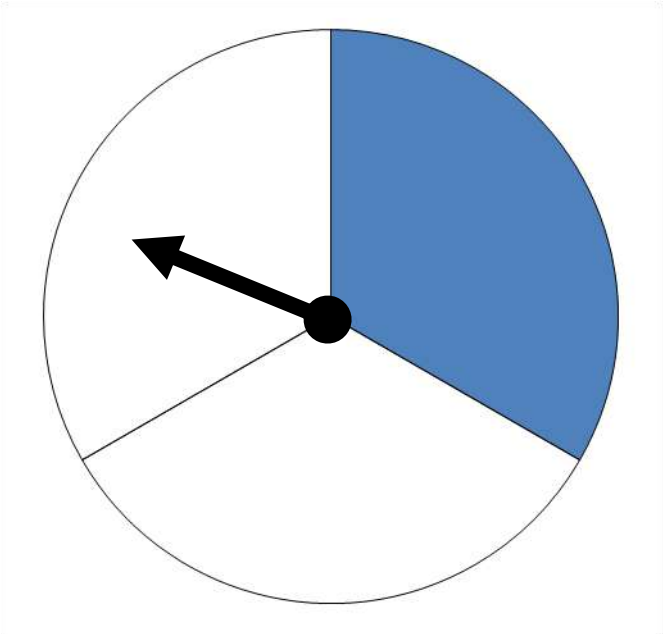
 is certain

Likely



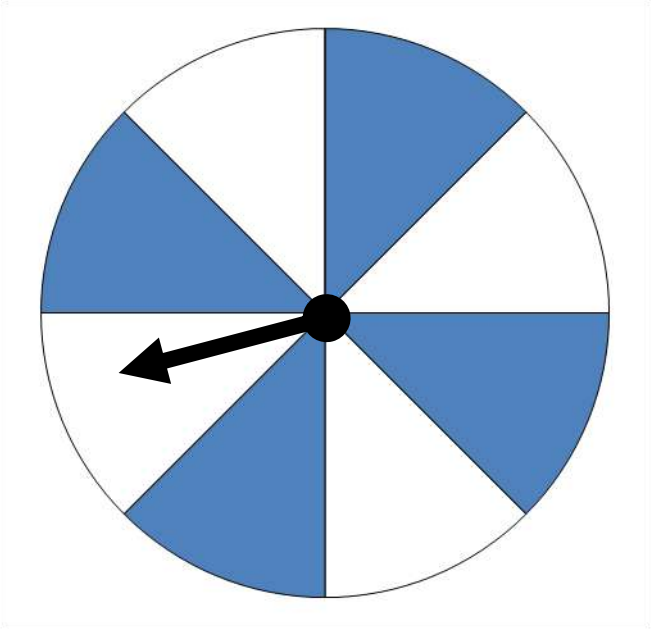
is likely

Unlikely



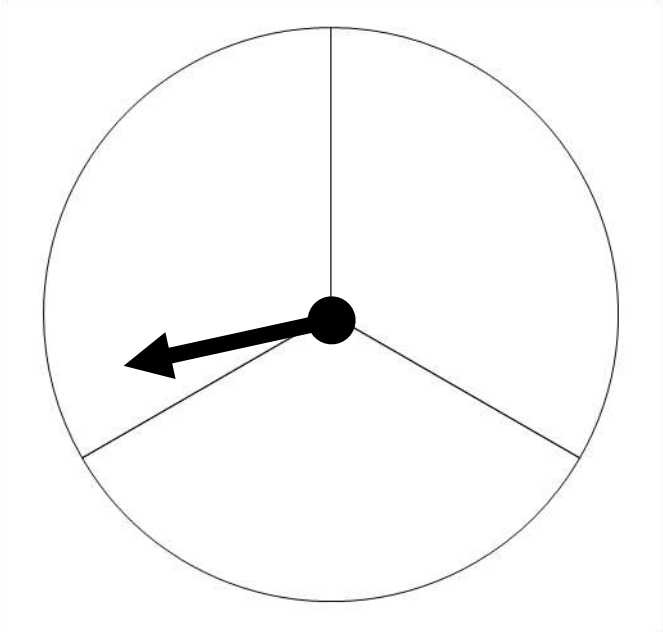
is unlikely

Equally Likely



and are equally likely

Impossible



■ is impossible

Equal

$2 + 9 = 9 + 2$

$13 - 4 = 12 - 3$

$3 \times 4 = 1 \times 12$

Not Equal

$\neq$

$5 + 6 \neq 4 + 8$

$9 - 4 \neq 3 \times 3$

$5 \text{ x } 7 \neq 35 + 5$

Pattern:

Growing patterns and Input/Output table

3, 5, 7, 9, _, 13, _

Rule: Add 4

Input	Output
4	8
5	9
8	—
9	—

Expression

a representation of a quantity

5

$4 + 3$

$8 - 2$

2×7

Calculator