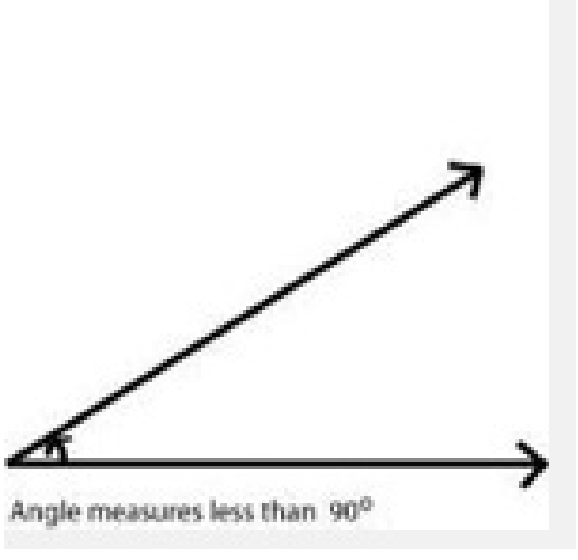
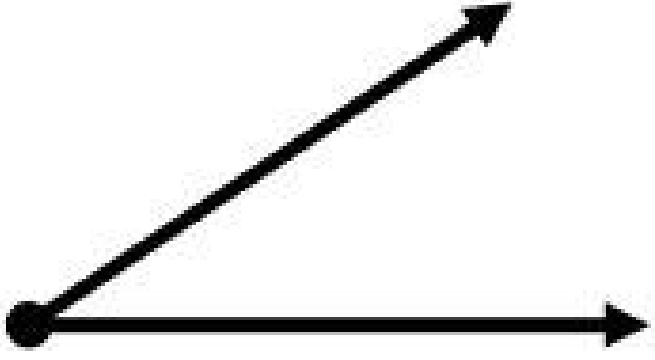
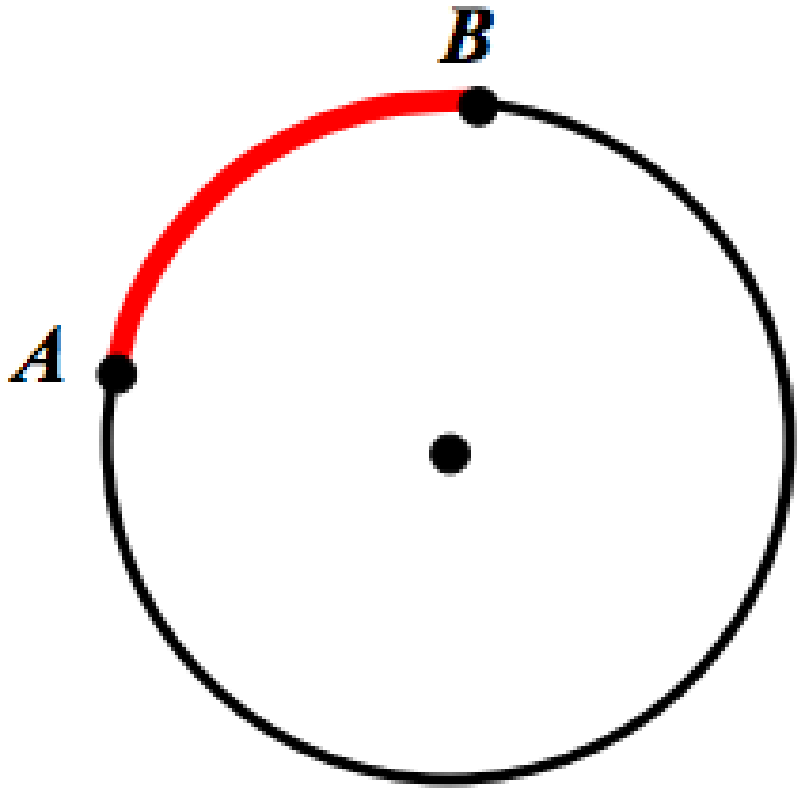
Acute Angle


Angle measures less than 90°

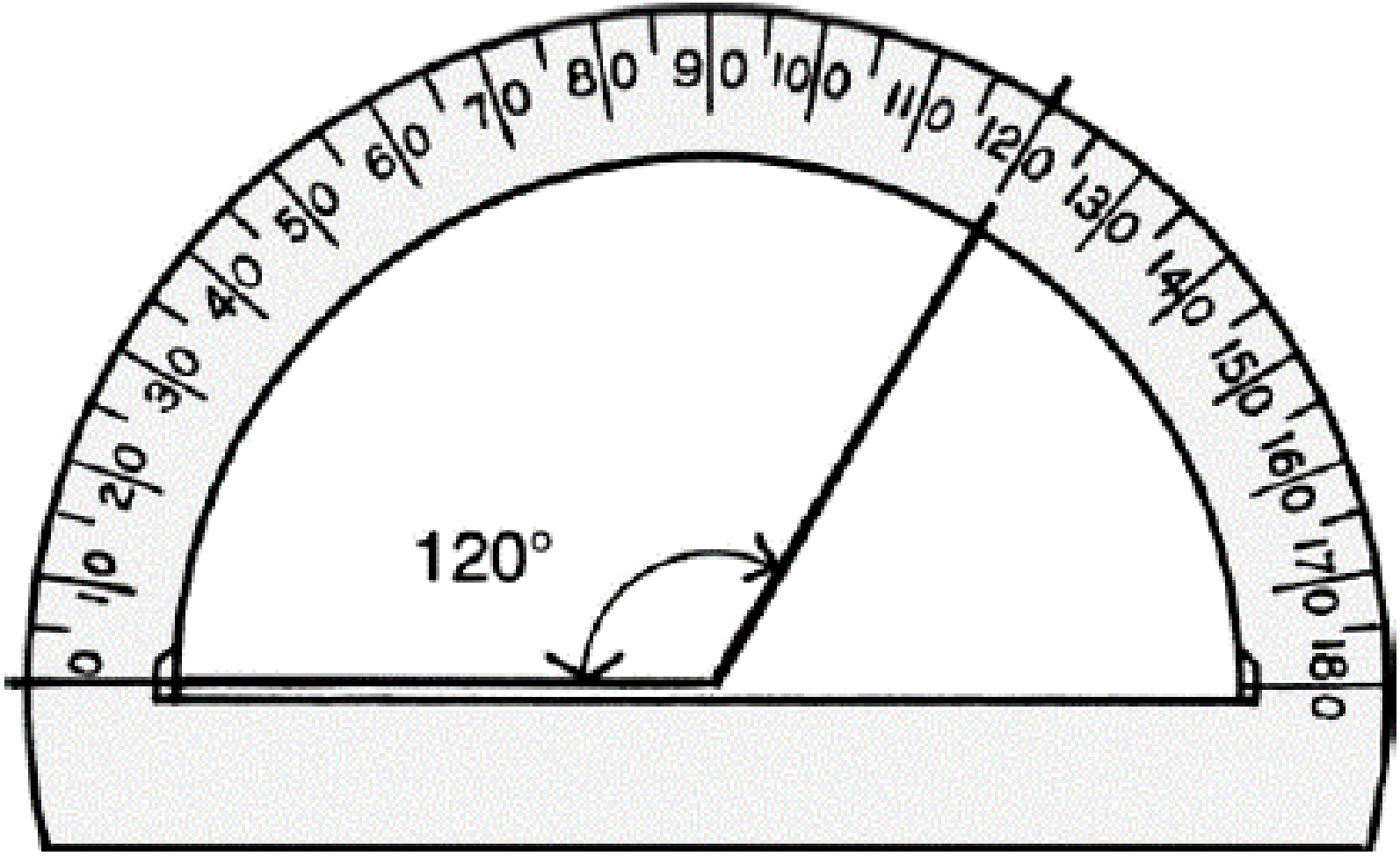
Angle



Arc

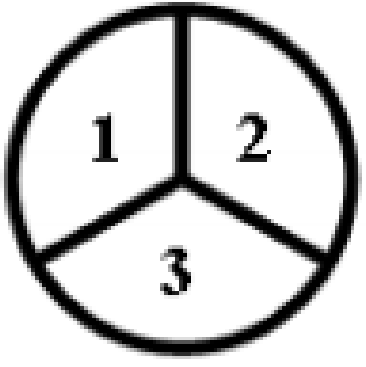

B
A

Degree(s)


0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
120°

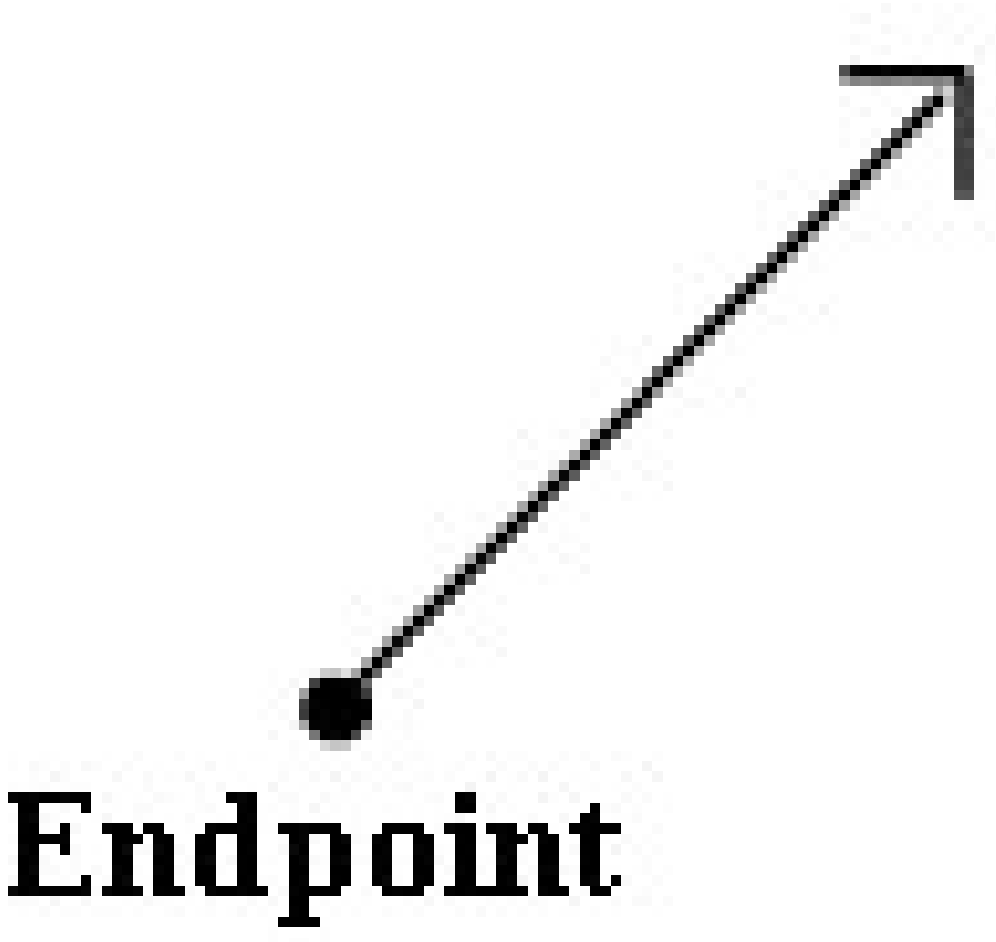
Denominator

$$\frac{1}{3}$$

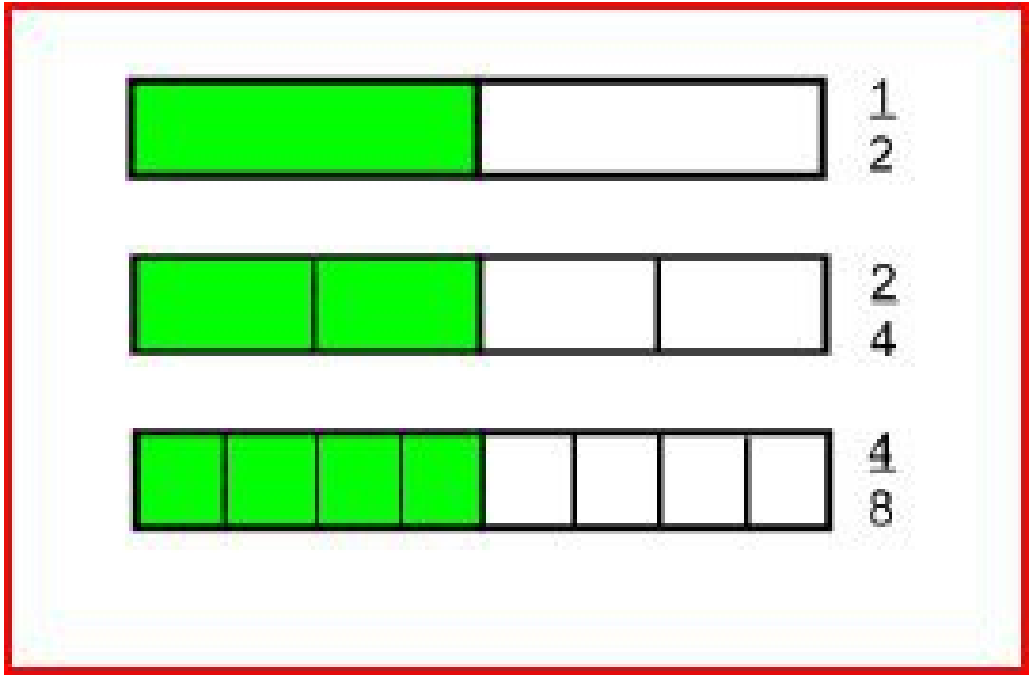


- Parts in all
- Whole
- Set
- Total

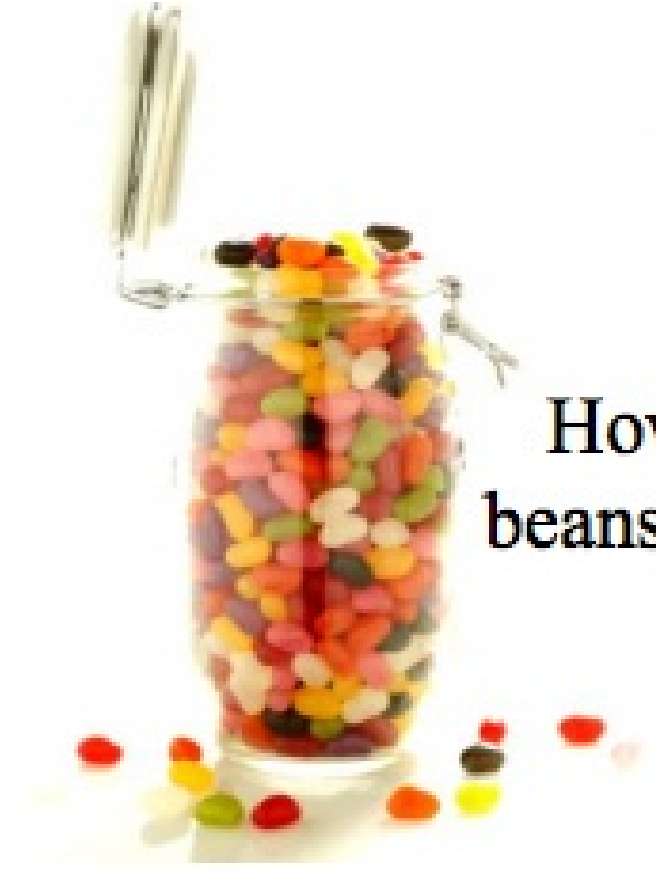
Endpoint


Endpoint

Equivalent Fractions


1
2
2
4
4
8

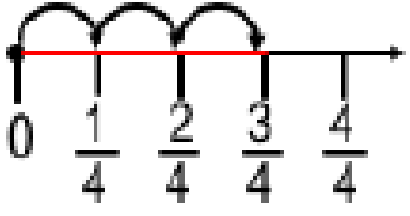
Estimation



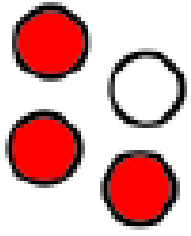
How many jelly beans are in the jar?

Fraction

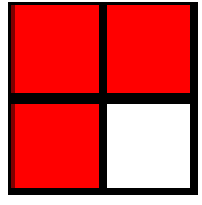
Measurement Model



Set Model



Area Model

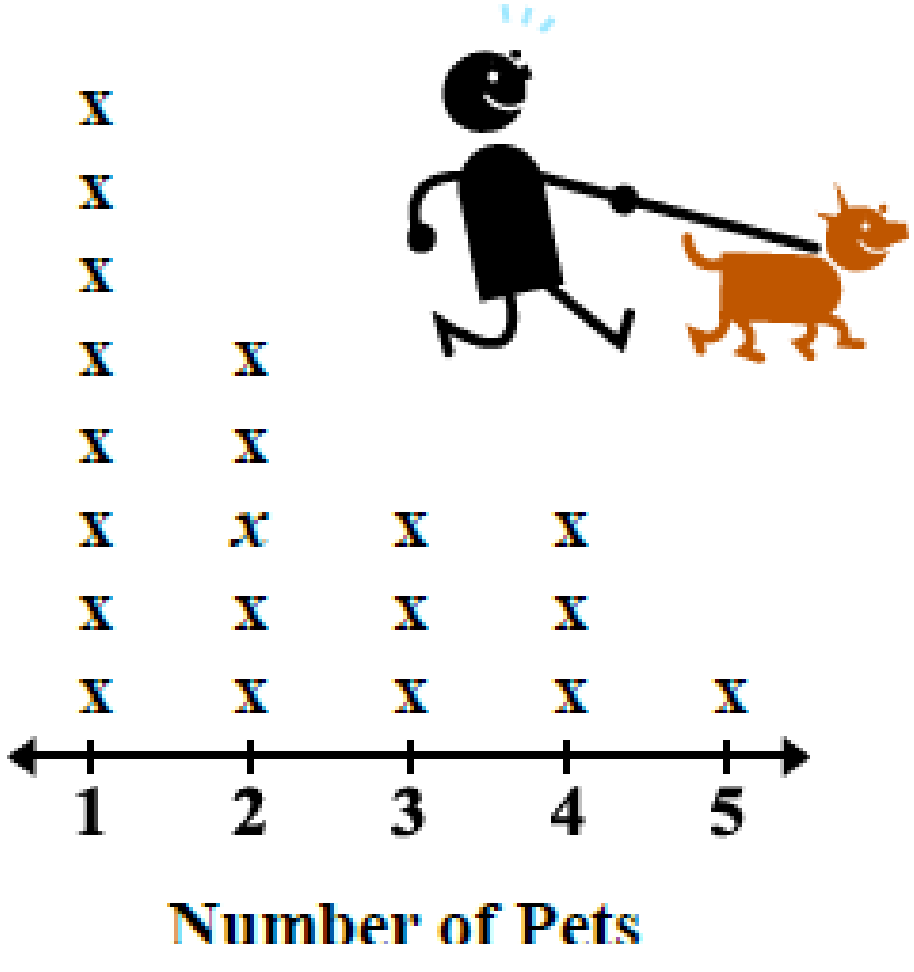


Bar Diagram
(thickened number line)

What is $\frac{3}{4}$?

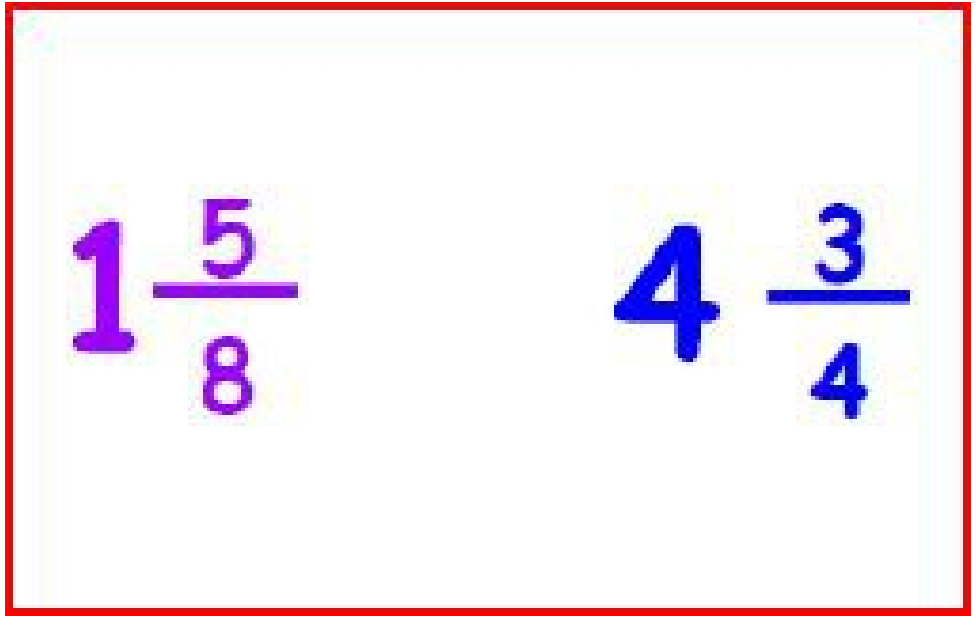
Line

Line Plot

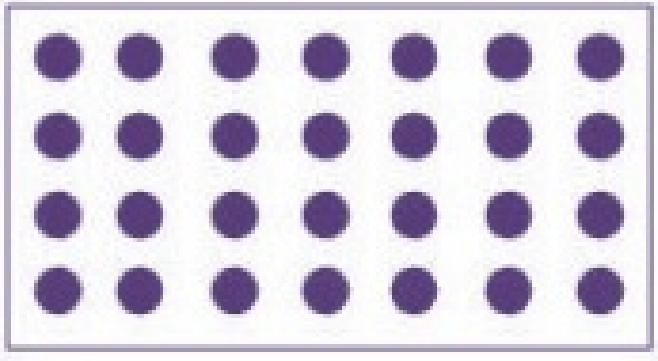

1
2
3
4
5
Number of Pets

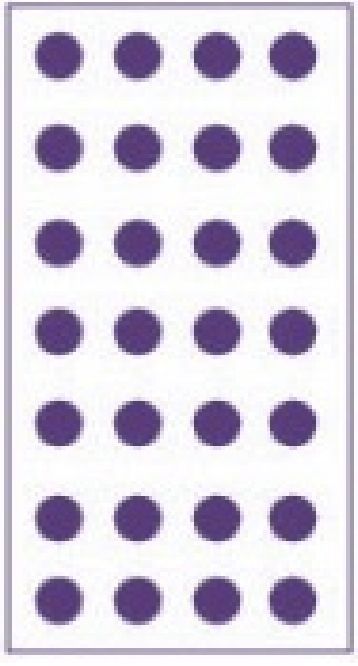
Line Segment

Mixed Number


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

Multiple





$$4 \times 7 = 7 \times 4$$

Multiplicative Comparison

Core Lesson

How can we write 7 times as many as 4 as a multiplication equation?

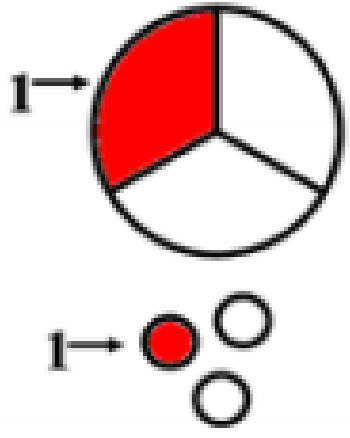
7 groups of 4 = 28

7 x 4 = 28

LEARNZILLION

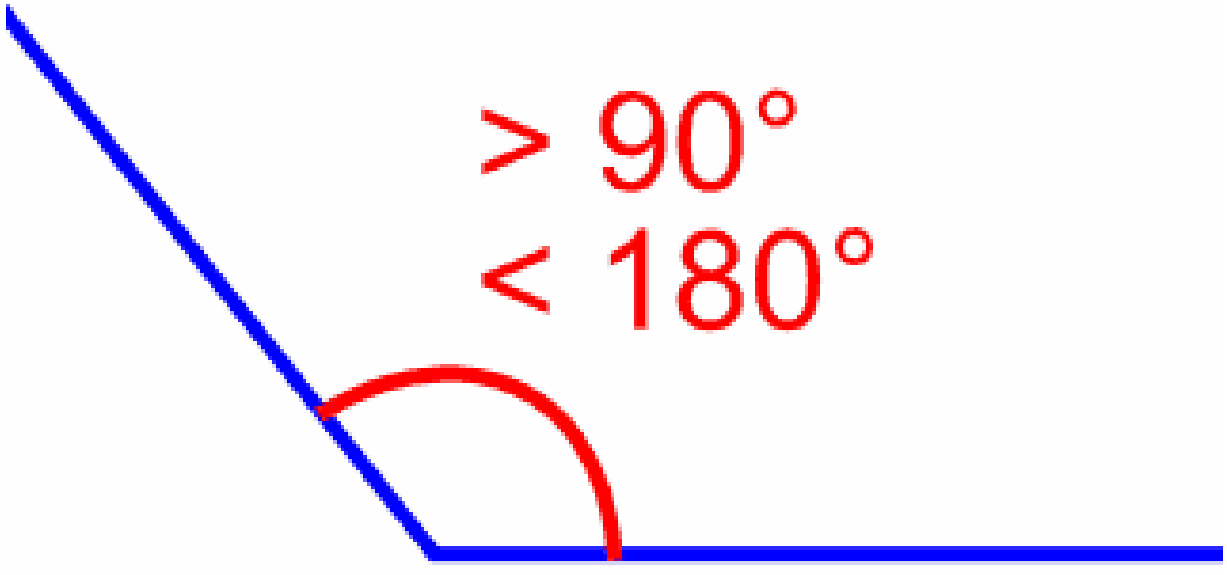
Numerator

$$\frac{1}{3}$$



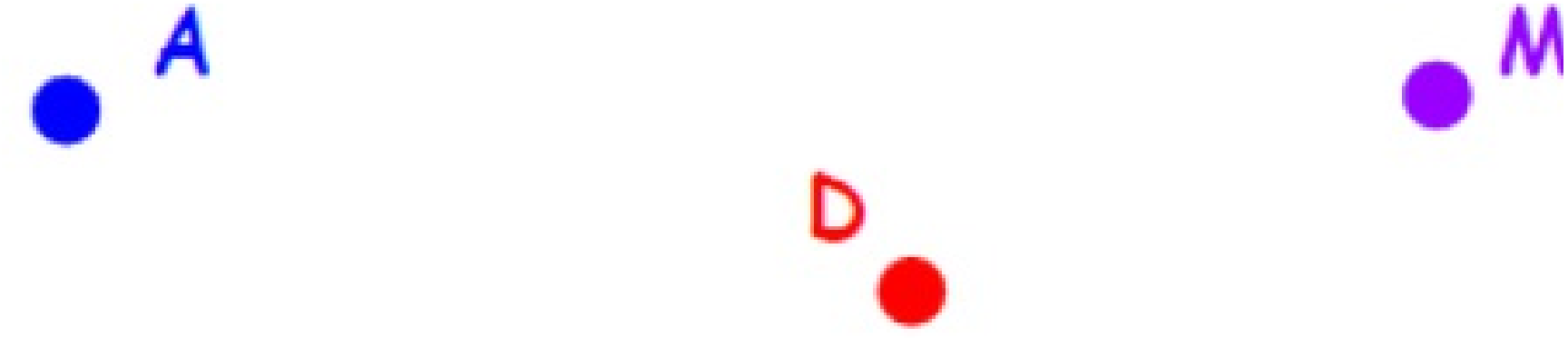
- Parts shaded
- Parts we are using

Obtuse Angle

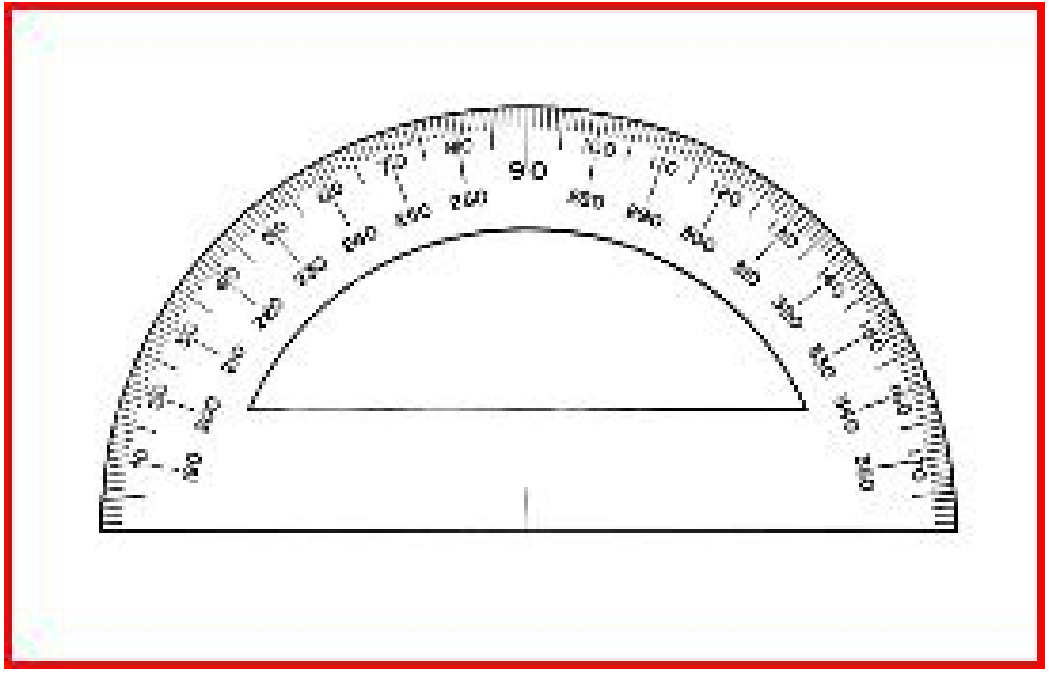


Obtuse Angle

Point

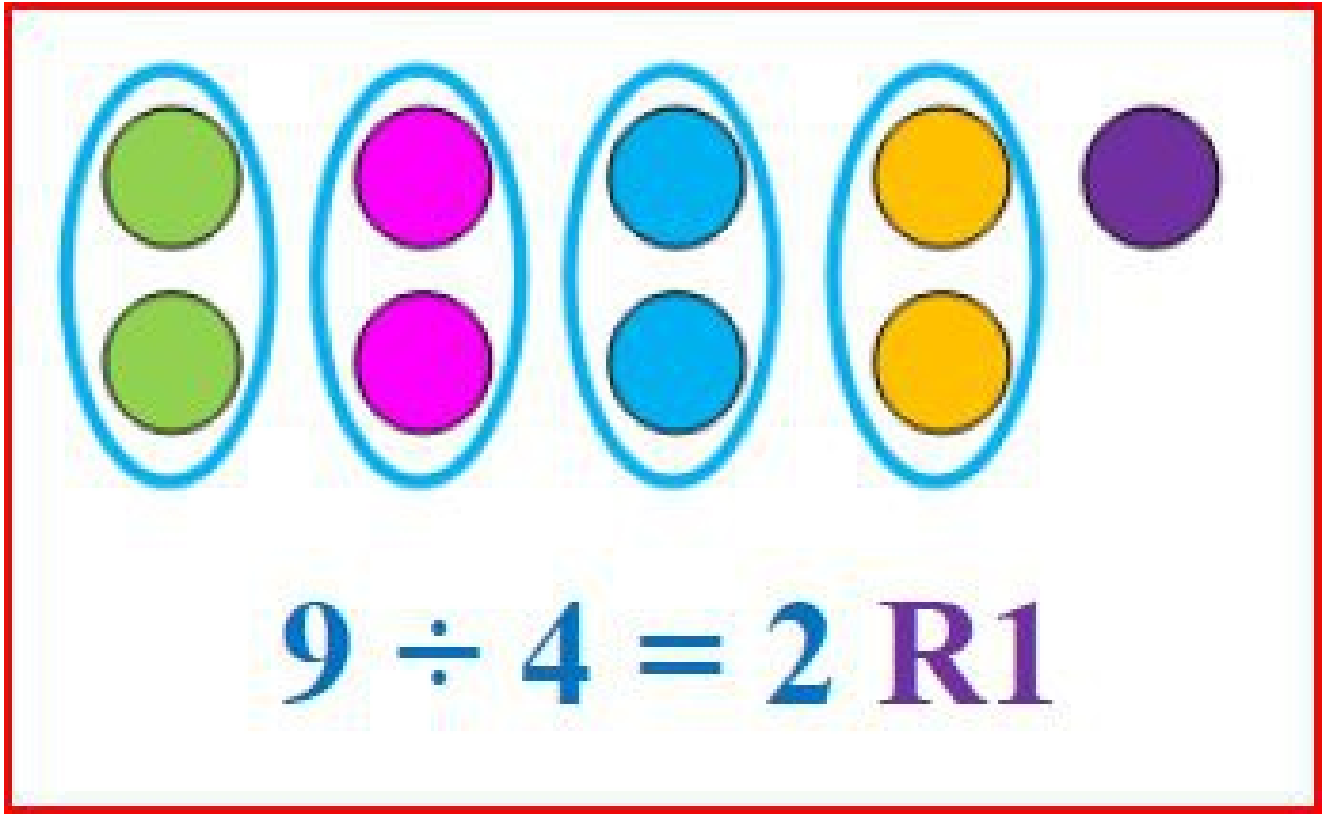

A
D
M

Protractor



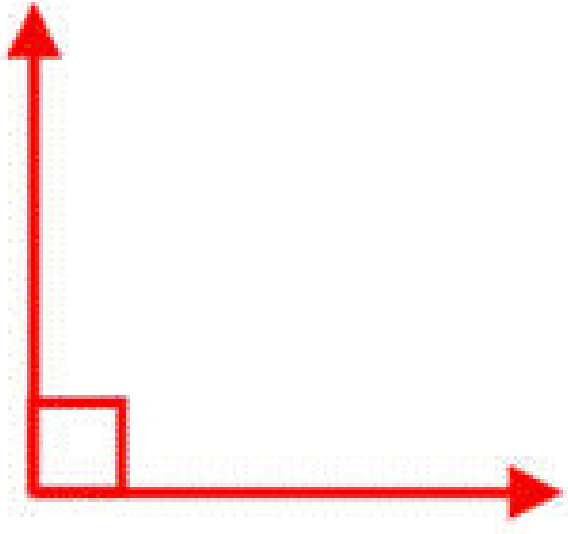
Ray

Remainder

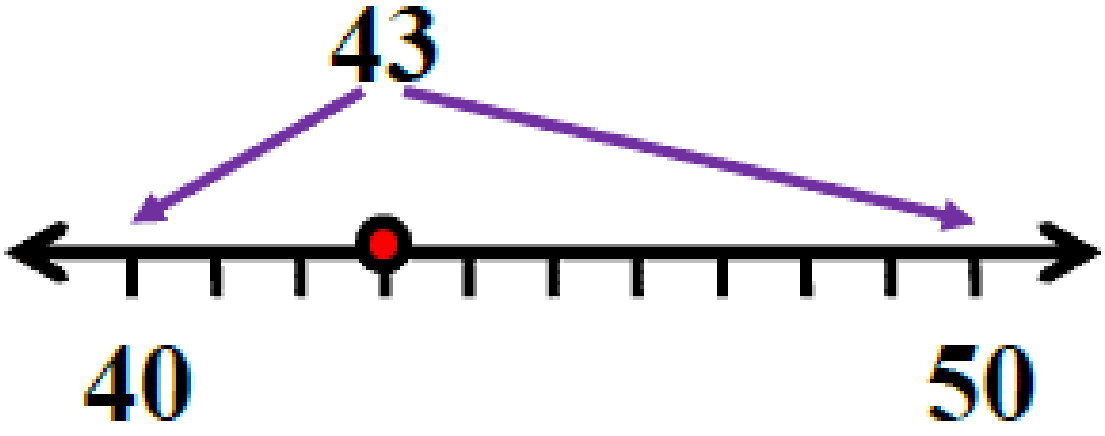


$9 \div 4 = 2\ R1$

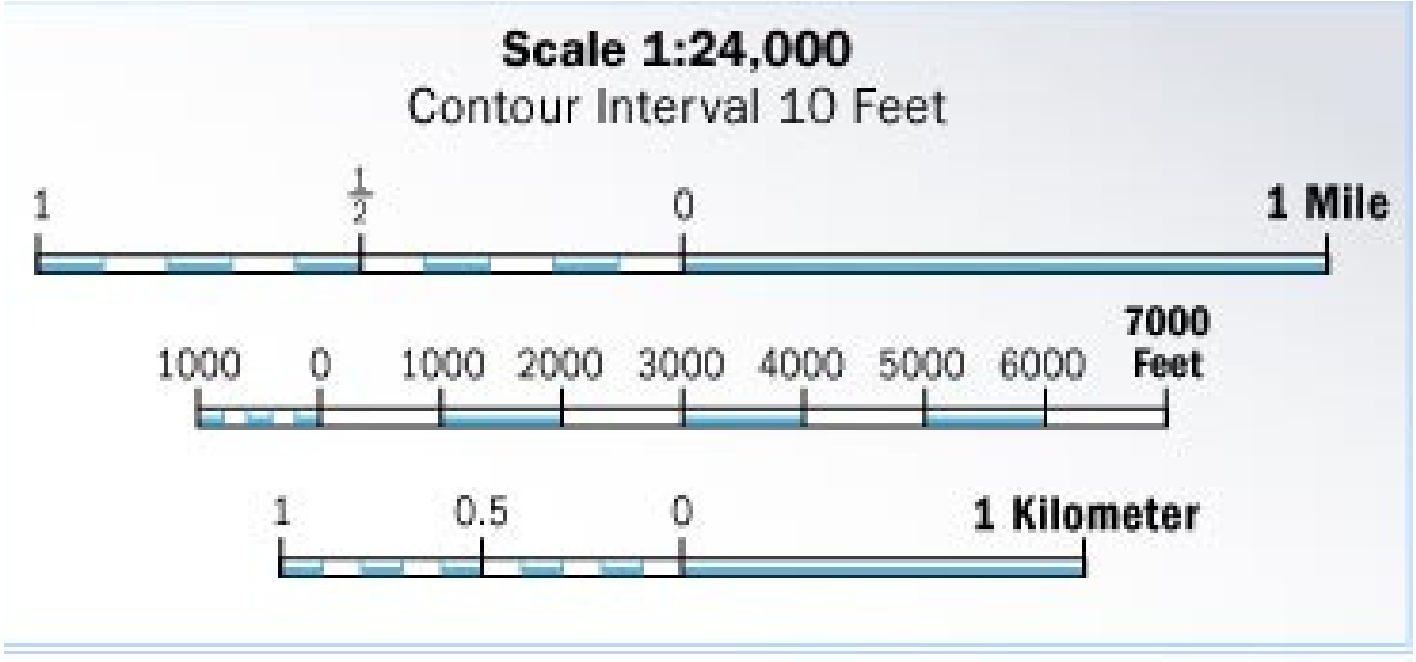
Right Angle



Rounding


43
40
50

Scale



Example Scale

1 inch = 24,000 inches (2000 ft)

Standard Algorithm

Algorithm

$$\begin{array}{r} 47 \\ +\ 16 \\ \hline 13 \\ +\ 50 \\ \hline 63 \end{array}$$

Add the ones. 7 + 6 = 13

Add the tens. 40 + 10 = 50

Add the partial sums.

A step-by-step method for

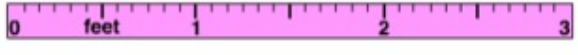
"Times as much"

Amy had 5 baseball cards. Jeff had 3 times as many cards as Amy. How many

Unit

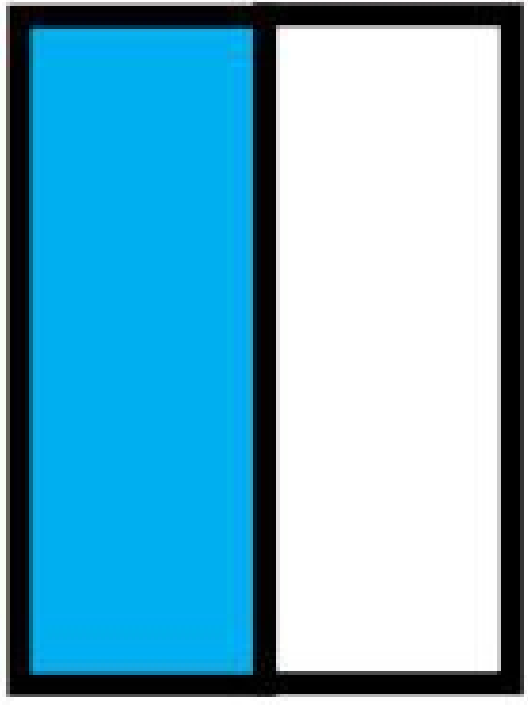
units of measurement

	Metric	Imperial and US standard
Length	cm centimetre m metre km kilometre	inch foot yard
Area	cm^2 square centimetre m^2 square metre km^2 square kilometre	square inch square foot square yard
Capacity	mL millilitre L litre	fluid ounce pint gallon
Volume	cm^3 cubic centimetre m^3 cubic metre	cubic inch cubic foot cubic yard
Mass	g gram kg kilogram t tonne	ounce pound ton
Time	s second min minute h hour	
Temperature	°C degrees Celsius	°F degrees Fahrenheit



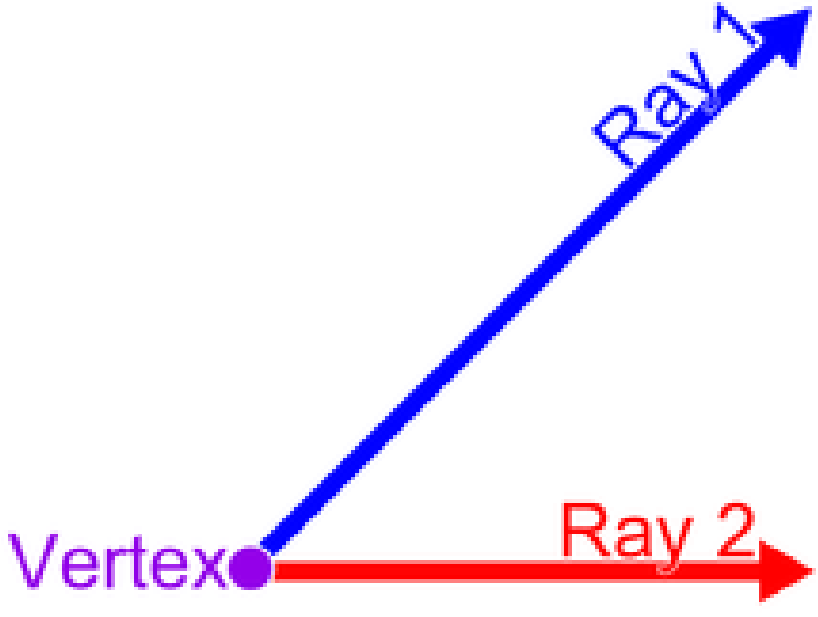
Unit Fraction

$\frac{1}{2}$



Example

Vertex


Ray 1
Vertex
Ray 2