Probability Scale

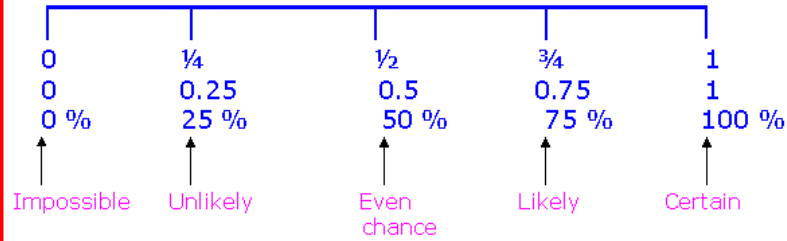|				
0	¼	½	¾	1
0	0.25	0.5	0.75	1
0 %	25 %	50 %	75 %	100 %
Impossible	Unlikely	Even chance	Likely	Certain

Rules to Round

1.) **Underline the digit** of the place value you are rounding.
2.) Look at the digit to the RIGHT.
   A.) If the digit is <u>five or more round</u> the underlined digit <u>up</u>.
   B.) If the digit is <u>four or less keep</u> the underlined digit the <u>same</u>.
3.) **All numbers behind** the underlined digit become **zeros**.

Place Value

100s	10s	1s	,	100s	10s	1s	,	100s	10s	1s	.	10ths	100ths
hundred millions	ten millions	millions	"MILLION"	hundred thousands	ten thousands	thousands	"THOUSAND"	hundreds	tens	ones	"AND"	tenths	hundredths
MILLIONS				THOUSANDS				UNITS (ONES)				DECIMAL	
WHOLE NUMBER												DECIMAL	

Fractions	Decimal	Percentage
1	1	100%
$\frac{1}{2}$	0.5	50%
$\frac{1}{4}$	0.25	25%
$\frac{3}{4}$	0.75	75%
$\frac{1}{10}$	0.1	10%
$\frac{1}{5}$	0.2	20%
$\frac{1}{3}$	0.3	33%
$\frac{1}{6}$	0.16	16%

Fraction wall:

1											
$\frac{1}{2}$						$\frac{1}{2}$					
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$		
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$			
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$						
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$				
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$		
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

My Multiplication Square

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

+
add
altogether
total
plus
increase
more than
sum

−
take away
subtract
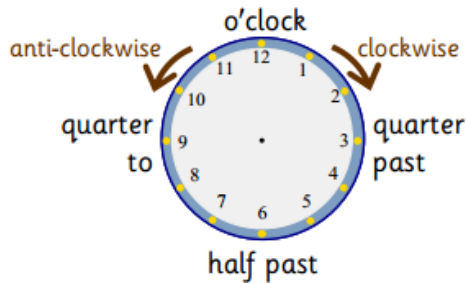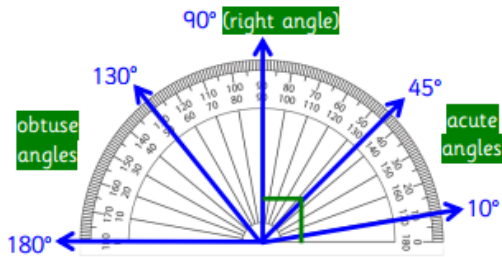minus
difference between
decrease
reduce
fewer

×
times by
multiply by
lots of
groups of
product of

÷
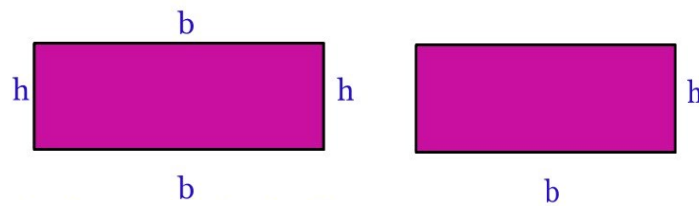divided by
shared between
divided into
divisible by
shared equally

Table

Method of Travelling	Number of children
Walking	8
Car	9
Bus	4
Cycle	5
Train	1
Taxi	3

Bar chart

Joe's Fruit Stand Sales

Average Sales/Day

- Apples: 108.42 — 7.5%
- Bananas: 279.39 — 19.3%
- Oranges: 546.27 — 37.8%
- Grapes: 375.3 — 25.9%
- Limes: 137.61 — 9.5%

90° (right angle)

130°   45°

obtuse angles   acute angles

180°   10°

o'clock

anti-clockwise   clockwise

quarter to   quarter past

half past

3am = 0300   6:30am = 0630   9:45am = 0945

3pm = 1500   6:30pm = 1830   9:45pm = 2145

Perimeter and area

b

h   h

b

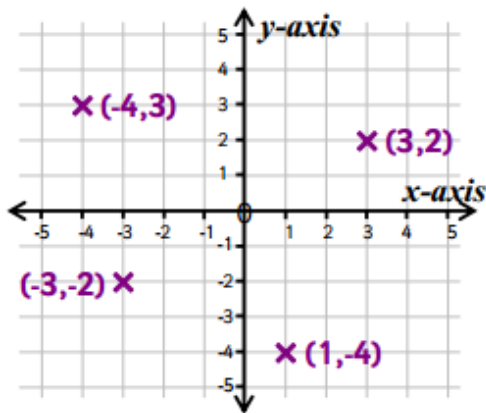Perimeter = b + h + b + h

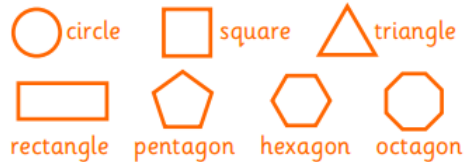Units are length, eg, m

b

h

b

Area = b x h

Units are squared, eg, m²
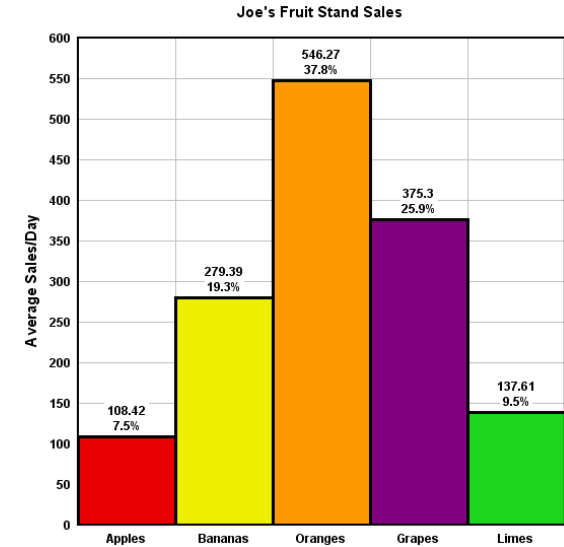
Hey diddle diddle,
the median's the middle;
YOU ADD AND DIVIDE FOR THE MEAN.
The mode is the one that appears the most,
and the range is the difference between.

y-axis

X (-4,3)

X (3,2)

x-axis

-5 -4 -3 -2 -1   1 2 3 4 5

(-3,-2) X

X (1,-4)

2D Shapes (Polygons)

circle   square   triangle

rectangle   pentagon   hexagon   octagon

3D Shapes

cube   cuboid   sphere   pyramid   cone   cylinder

faces = flat sides
edges = where two faces meet
vertices = where three or more sides meet (corners)

length
1 centimetre (cm) = 10 millimetres (mm)
1 metre (m) = 100 centimetres
1 kilometre (km) = 1,000 metres

weight
1 kilogram (kg) = 1,000 grams (g)
1 tonne = 1,000 kilograms

capacity
1 litre (l) = 1,000 millilitres (ml)
1 litre = 1,000cm³
1cm³ = 1 ml