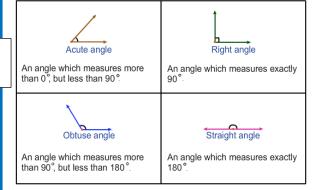
Multiplication and division vocabulary

Term	Definition	Example	
factor	a number that divides exactly	factors of 12 =	
Tactor	into another number	1, 2, 3, 4, 6, 12	
common	on factors of two numbers that common factors of 8 ar		
factor	are the same	12 = 1, 2, 4	
product	result of two factors	3 x 5 = <u>15</u>	
product	multiplied against each other		
multiple	a number in another	multiples of 9 =	
multiple	number's times table	9, 18, 27, 36	

Volume of a cuboid = length x width x height



Fractions & decimals

	•		
1/20	0.05	÷ 20	
1/10	0.1	÷ 10	
¹ / ₅	0.2	÷ 5	
1/4	0.25	÷ 4	
1/2	0.5	÷ 2	
3/4	0.75	÷ 4, x3	
1	1	÷ 1	
Equivalent fractions			
1/4	2/8	3/12	
1/3	2/6	3/9	
1/2	2/4	3/6	
3/4	6/8	9/12	
1/5	2/10	3/15	

trapezium	
parallelogram	
rhombus	—
rectangles	
kite	$\bigoplus \bigvee$
arrowhead	
irregular quadrilaterals	

Roman numerals

1	1	50	L
5	V	100	С
10	Χ		

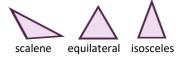
YEAR 4 MATHS KNOWLEDGE ORGANISER

2D shapes

Name	No. of sides
triangle	3
quadrilateral	4
pentagon	5
hexagon	6
heptagon	7
octagon	8
nonagon	9
decagon	10

polygon = shape with straight sides regular = all sides/angles the same irregular = sides/angles **not** same

Types of triangle



Types of quadrilateral



parallelogram trapezium rhombus

PERIMETER

Is the total distance around a shape.

AREA

Is the amount of space inside a 2D shape usually measured in cm² or m².

Measurement conversions

Month	Days
January	31
February	28 (29 in leap year)
March	31
June	30
July	31
August	31
September	30
October	31
November	30
December	31

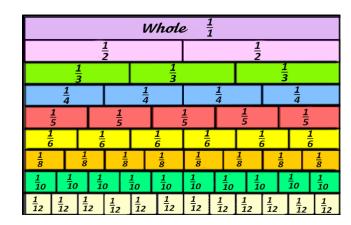
1 year = 365 days (≈ 52 weeks) Leap year = 366 days

1 cent imetre	10mm
1 metre	100cm
1 kilometre	1,000 m
1 kilo gram	1,000 grams
1 litre	1,000 millilitres

Co-ordinates

Read co-ordinates along the x axis (horizontal) first, then the y axis (vertical). E.g. (3,4) = go right 3, down 4.

3D shapes			
	square-based	triangular-based	triangular
	pyramid	pyramid	prism
faces	5	4	5
(the flat sides)	,	•	,
edges	8	6	9
vertices			
(the points where	5	4	6
the edges meet)			



Numerator

Denominator

Equivalent

Fraction

Part

Whole

Equal