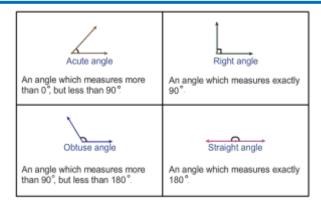
Multiplication and division vocabulary

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

Angles



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		
Equiv	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	$\iff \emptyset$
arrowhead	
irregular quadrilaterals	

Roman numerals

1	ı	50	L
5	V	100	С
10	Χ		

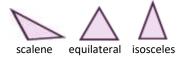
YEAR 4 MATHS
KNOWLEDGE
ORGANISER

2D shapes

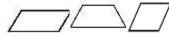
Name	No. of sides
triangle	3
quadrilateral	4
pentagon	5
hexagon	6
heptagon	7
octagon	8
nonagon	9
decagon	10

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)	

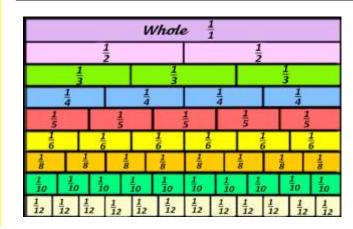
Leap year = 366 days

1 cent imetre	10mm
1 metre	100cm
1 kilo metre	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 (the flat sides)	5	4	5
edges	8	6	9
vertices			
(the points where	5	4	6
the edges meet)			



Numerator

Denominator

Equivalent

Fraction

Part

Whole

Equal