Multiplication and division vocabulary

Term	Definition	Example	
factor	a number that divides exactly	factors of 12 =	
iactor	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	
product	result of two factors	2 v E = 1E	
product	multiplied against each other	3 x 5 = <u>15</u>	
multiple	a number in another	multiples of 9 =	
multiple	number's times table	9, 18, 27, 36	







2 right angles 2 quarter turns or half turn



3 right angles 3 quarter turns 270°



4 right angles 4 quarter turns or full turn

Angles

Fractions & decimals

1/10	0.1
2/10	0.2
3/10	0.3
4/10	0.4
5/10	0.5
6/10	0.6
⁷ / ₁₀	0.7
8/10	0.8
9/10	0.9
¹⁰ / ₁₀	1.0
1/2	0.5
1/4	0.25
3/4	0.75

Time

60 seconds = 1 minute

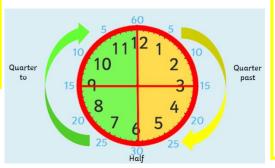
60 minutes = 1 hour

24 hours = 1 day

7 days = 1 week

365 days = 1 year

52 weeks = 1 year



Roman numerals

1	ı	7	VII
2	Ш	8	VIII
3	Ш	9	IX
4	IV	10	Χ
5	V	11	ΧI
6	VI	12	XII

YEAR 3 MATHS KNOWLEDGE **ORGANISER**

2D shapes

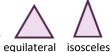
Name	No. of sides	
triangle	3	
quadrilateral	4	
pentagon	5	
hexagon	6	
heptagon	7	
octagon	8	
nonagon	9	
decagon	10	

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

Types of triangle







Types of quadrilateral



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)		

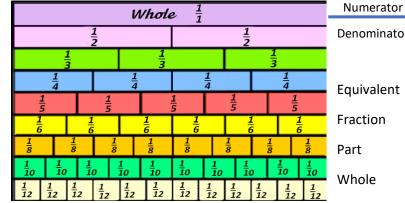
Leap year = 366 days

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 the edges meet)	5	4	6	



Denominator

Equivalent

Fraction

Part

Whole

Equal