

Multiplication and division vocabulary

Term	Definition	Example
Odd	Ends in 1,3,5,7,9	17, 11, 29, 33
Even	Ends in 0,2,4,6,8	8, 12, 26, 44, 100
Double	Multiply by 2	$4 \times 4 = 16$
Halve $\frac{1}{2}$	Divide by 2 or $\frac{1}{2}$ of	$\frac{1}{2}$ of 6 = 3
Product	When you multiply	The product of 2 and 3 = 6
multiple	a number in another number's times table	multiples of 8 = 8, 16, 24, 32, 40, 48...

Multiplication and Division Facts

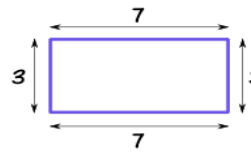
	$3 \times 4 = 12$ $4 \times 3 = 12$ $12 = 3 \times 4$ $12 = 4 \times 3$ $12 \div 3 = 4$ $12 \div 4 = 3$ $4 = 12 \div 3$ $3 = 12 \div 4$
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Number Bonds

0	100
5	95
10	90
15	85
20	80
25	75
30	70
35	65
40	60
45	55
50	50

Perimeter

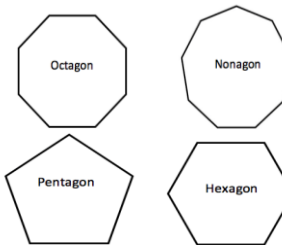
The total distance around the outside of a shape = $7+3+7+3=20\text{cm}$



YEAR 3 MATHS KNOWLEDGE ORGANISER

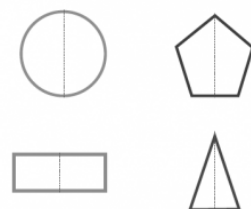
2D shapes

Name	No. of sides
Quadrilateral	4
Square/Rectangle	4
pentagon	5
hexagon	6
heptagon	7
octagon	8
nonagon	9
decagon	10



Symmetry

Something is symmetrical when it is the same on both sides



Measurement conversions

Month	Days
January	31
February	28 (29 in leap year)
March	31
April	30
May	31
June	30
July	31
August	31
September	30
October	31
November	30
December	31
1 year = 365 days (\approx 52 weeks)	
Leap year = 366 days	

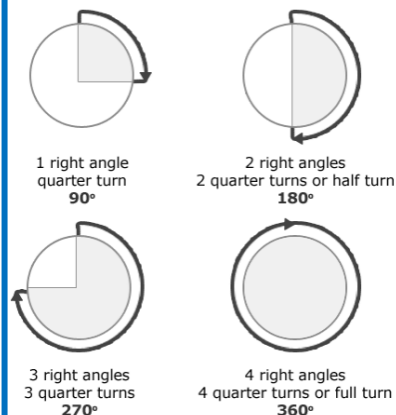
Length	
10mm	1 centimetre
100cm	1 metre
Mass	
1,000 grams	1 kilogram
Liquid	
1 litre	1,000 millilitres
Money	
100p	£1

Comparing

SAME	GREATER THAN	LESS THAN
=	>	<
$5 = 5$	$5 > 4$	$5 < 6$
5 equals 5	5 is greater than 4	5 is less than 6

Angles

right angle (quarter)	90°
half turn	180°
Three quarter turn	270°
full turn	360°



Shape vocabulary

horizontal

parallel lines

vertical line

Perpendicular
(at right angles)

3D shapes

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

60 Seconds	1 minute
60 minutes	1 hour
24 hours	1 day
7 days	1 week
Noon	Midday- 12pm 12:00pm or 12:00
Midnight	12am or 00:00
Long hand	Tells us the minute
Short hand	Tells us the hour
am	morning
pm	afternoon

Time

