




# NORTH CAVE C of E PRIMARY SCHOOL

## **Progression in Mathematics Vocabulary**

## MATHS VOCABULARY FOR EYFS

Cardinal		The number that indicates how many there are in a set.
Classification		The identification of an object by specific attributes, such as colour, texture, shape or size.
Conservation (of number)		The recognition that the number stays the same if none have been added or taken away
Partition		Separate a set into two or more subsets e.g. partition a set of socks into plain and patterned.
Subitise		Instantly recognize a small quantity, without having to count how many there are.
Number		<p>Number can be;</p> <ul style="list-style-type: none"> <li>• a count of a collection of items e.g. three boxes</li> <li>• a measure e.g. of length or weight, or</li> <li>• a label e.g. the number 17 bus</li> </ul>
Quantity		The amount you have of something e.g. a cup of flour, three boxes, half an hour.
Numeral		The written symbol for a number e.g. 1, 2, 3, 4.
Ordinal		The number denoting the position in a sequence e.g. 3 <sup>rd</sup> . 2 <sup>nd</sup> . 1 <sup>st</sup> or page 1, page 2, page 3.



## MATHS VOCABULARY FOR YEAR 1

### Number and place value



Ten more/less, digit, numeral, figure(s), compare, (in) order/a different order, size, value, between, halfway between, above, below, tens, ones

### Addition and subtraction

Number bonds, number line, add, more, plus, make, sum, total, altogether, inverse, double, near double, equals, is the same as (including equals sign), difference between, subtract, take away, minus

How many more to make ...?

How many more is ... than ... ?

How much more is ... ?

How many fewer is ... than ... ?

How much less is ... ?

### Multiplication and division

Once, twice, three, five times, multiple of times

Multiply, multiply by, repeated addition, array, row, column, double, halve, share, share equally, group in pairs, threes, etc., equal groups of, divide, divided by, left over

### Measure

Time, days of the week, seasons, day, week, month, year, weekend, birthday, holiday, morning, afternoon, evening, night, midnight, bedtime, dinnertime, playtime, today, yesterday, tomorrow

Before, after, next, last, now, soon, early, late, quick, quicker, quickest, quickly, fast, faster, fastest, slow, slower, slowest, slowly, old, older, oldest, new, newer, newest

Takes longer, takes less time, hour, o'clock, half past, clock, watch, hands, how long ago?, How long will it be to ... ?, How long will it take to ... ?, How often?, always, never, often, sometimes, usually, once, twice, first, second, third, etc., estimate, close to, about the same as, just over, just under, too many, too few, not enough, enough

Length, width, height, depth, long, longer, longest, short, shorter, shortest, tall, taller, tallest, high, higher, highest, Low, wide, narrow, deep, shallow, thick, thin, far, near, close, metre, ruler, metre stick

How much?, How many?, money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, dear(er), costs more, costs less, cheaper, costs the same as, total

### Geometry (position and direction)

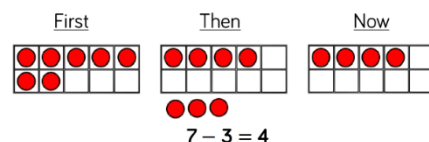
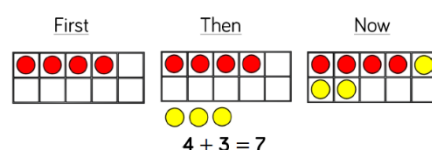
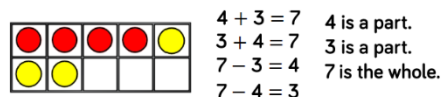
Before, after, beside, next to, opposite, apart, between, middle, edge, centre, corner, direction, journey, left, right, up, down, forwards, backwards, sideways, across, close, far, near, along, through, to, from, towards, away from, movement, slide, roll, turn, whole turn, half turn, stretch, bend

### Geometry (properties of shape)


Corner (point, pointed), face, side, edge, make, build, draw

Fractions	Whole, equal parts, four equal parts, one half, two halves, a quarter, two quarters
Problem solving	<p>Change, change over, split, separate, carry on, continue, repeat, what comes next?, find, choose, collect, use, make, build</p> <p>Tell me, describe, pick out, talk about, explain, show me, read, write, record, trace, copy, complete, finish, end, fill in, shade, colour, tick, cross, draw, draw a line between, join (up), ring, arrow</p> <p>Cost, count, work out, answer, check same number(s)/different number(s)/missing number(s)</p> <p>Number facts, number line, number track, number square, number cards, abacus, counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg board</p> <p>Same way, different way, best way, another way, in order, in a different order, not all, every, each</p>


MATHS VOCABULARY FOR YEAR 2	
Number and place value	Numbers to one hundred, hundreds, partition, recombine, more/less
Measure	Quarter past/to, metres, kilometers, grams, kilograms, millimeters, liters, temperature, degrees
Geometry (position and direction)	Rotation, clockwise, anticlockwise, straight line, ninety degree turn, right angle
Geometry (properties of shape)	Size, bigger, larger, smaller, symmetrical, line of symmetry, fold, match, mirror line, reflection, pattern, repeating pattern
Fractions	Three quarters, one third, a third, equivalence, equivalent
Data/statistics	Count, tally, sort, vote, graph, block graph, pictogram, represent, group, set, list, table, label, title, most popular, most common, least popular, least common
Problem solving	Predict, describe the pattern, describe the rule, find, find all, find different, investigate



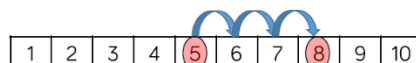
## MATHS VOCABULARY FOR YEAR 3

Number and place value		Numbers to one thousand
Addition and subtraction		Column addition and subtraction
Multiplication and division		Product, multiples of four, eight, fifty and one hundred, scale up
Measure		Leap year, twelve-hour/twenty-four-hour clock, Roman numerals I to XIII
Geometry (position and direction)		Greater/less than ninety degrees, orientation (same orientation, different orientation)
Geometry (properties of shape)		Horizontal, perpendicular and parallel lines
Fractions		Numerator, denominator, unit fraction, non-unit fraction, compare and order, tenths
Data/statistics		Chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, axe

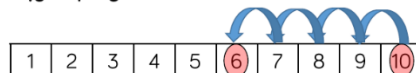
## MATHS VOCABULARY FOR YEAR 4

Number and place value	 <p>NORTH CAVE C of E PRIMARY SCHOOL</p>	Tenths, hundredths, decimal (places), round (to nearest), thousand more/less than, negative integers, count through zero, Roman numerals I to C
Multiplication and division		Multiplication facts (up to 12x12), division facts, inverse, derive
Measure		Convert
Geometry (position and direction)		Co-ordinate, translate, quadrant, X-axis, Y-axis, perimeter, area
Geometry (properties of shape)		Quadrilaterals, triangles, right, acute and obtuse angles
Fractions and decimals		Equivalent decimals and fractions
Data/statistics		Continuous data, line graph

$$5 + 3 = 8$$



$$10 - 4 = 6$$



$$8 + 7 = 15$$



## MATHS VOCABULARY FOR YEAR 5

Number and place value



Powers of 10

Addition and subtraction

Efficient written method

Multiplication and division

Factor pairs, composite numbers, prime number, prime factors, square number, cubed number, formal written method

Measure

Volume, imperial units, metric units

Geometry (position and direction)

Reflex angle, dimensions

Geometry (properties of shape)

Regular and irregular polygons

Fractions and decimals

Proper fractions, improper fractions, mixed numbers, percentage, half, quarter, fifth, two fifths, four fifths, ratio, proportion

## MATHS VOCABULARY FOR YEAR 6

Number and place value



Numbers to ten million

Addition and subtraction

Order of operations

Multiplication and division

Common factors and common multiples

Geometry (position and direction)

Four quadrants (for co-ordinates)

Geometry (properties of shape)

Vertically opposite (angles), circumference, radius, diameter

Fractions and decimals

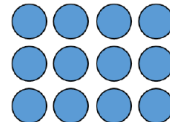
Degree of accuracy, simplify

Algebra

Linear number sequence, substitute, variables, symbol, known values

Data/statistics

Mean, pie chart, construct



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

