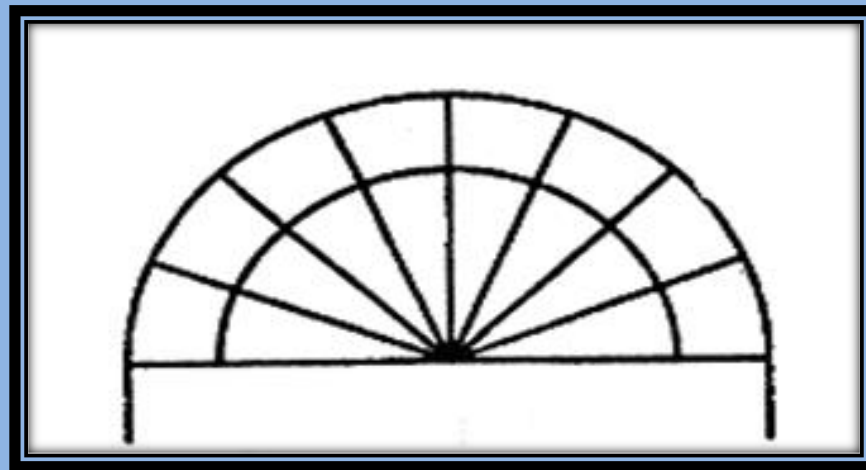


Holbrook Primary School Progression in Vocabulary

linking to White Rose and the National Curriculum



September 2023

Holbrook Mathematics Vocabulary Progression document (YR-Y6)

This document is designed to assist with the teaching of vocabulary across EYFS, KS1 and KS2 and is aligned with the National Curriculum and White Rose schemes of learning.

This document identifies in which year group vocabulary should be explicitly taught and introduced. However, language should be revisited in subsequent year groups to ensure children are consolidating their understanding.

Some vocabulary might be introduced earlier (shapes for instance) if necessary or as part of an activity, however, this document ensures coverage is progressive.

Autumn						
Match, Sort & Compare	Talk about measure and patterns	It's me 1, 2, 3	Circles and triangles	1,2,3,4,5	Shapes with 4 sides	
amount big colours compare different fewer match more round rule same set size small sort	big capacity check compare continue copy empty full heavier holds less holds the least holds more holds the most large lighter little match mass mistake next patterns size small spotty stripy	1 less altogether counters cubes different group how many? match more numeral numbers one parts pattern sort three together two	2-D shape almost circle almost triangle around behind between besides circle corners different flat in in front of on over round shape sides size sort straight through triangle under	altogether counters count cubes different five four group match more numbers numeral one part parts pattern sort three two whole	2-D afternoon after almost rectangle almost square before corners count day different equal first flat fold four long morning night	rectangle same shape short sides sort square straight then timetable today tomorrow weekday weekend

White Rose Reception Spring Maths Vocabulary List

Spring					
Alive in 5	Mass and capacity	Growing 6,7,8	Length, height and time	Building 9 and 10	Explore 3-D shapes
1,2,3,4,5 add count empty five four How do you see it? How many left? How many? I can see... less match more none number numeral one one less one more recognise represent subitise subtract three two What can you see? zero	balance scale balanced capacity container fewer fill greatest heavier heavier less lighter measure more scale smallest	add altogether composition count eight - 8 even How many? less more one less one more part pattern represent seven - 7 six - 6 subtract take away ten frame whole	compare days of the week height length long longer than longest next week next weekend same short shorter shorter than shortest sort tall taller time today tomorrow yesterday	Add Altogether Compare Count Even Fewer Than Greater Than Groups How many? Less Less Than More More Than Nine Number Odd One less One more Pairs Part Recognise Represent Subitise Subtract	3-D almost cone continue copy cube cuboid curved cylinder environment faces flat near next pattern pyramid repeat shapes sort sphere surface What do you notice?

White Rose Reception Summer 1 Maths Vocabulary List

Summer 1		
To 20 and beyond	How many now?	Manipulate, compose and decompose
after before count eighteen eleven fifteen fourteen How many? next nineteen number seventeen sixteen ten ten frame thirteen thirty total twelve twenty	add altogether first How many left? How many? more now subtract take away then	2-D 3-D above below between circle circular complete cube cuboid curved cylinder diagonal faces flat large position rectangle rotate shapes small sphere square surface tangram triangle

Autumn					
Place Value		Addition and Subtraction		Shape	
after	match	add	number bond	2-D	pentagon
before	more	add	numeral	3-D	pyramid
compare	more than	altogether	objects	circle	rectangle
count	number	base 10	ones	circular	repeat
different	number line	bar model	pair	cone	roll
digit	numerals	bonds	part	corners	shape
equal to	one less	combine	part-whole model	cuboid	sides
few	one more	digit	plus	cuboid	similar
fewer	order	equal	represent	cube	sort
greater than	represent	equal to	subtract	curved	sphere
greatest	same	fact family	symbol	cylinder	square
how many?	smallest	fewer than	take away	different	stack
large	ten frame	groups	tens	faces	surface
less than	too little	how many?	ten frame	flat	triangular
match	too much	minus	total	hexagon	triangular prism
	total	more than	whole	pattern	triangle
		number			

White Rose Year 1 Spring Maths Vocabulary List

Spring

Spring					
Place Value within 20		Addition and Subtraction within 20	Place Value within 50	Length and height	Mass and Volume
altogether backward backwards base 10 compare count count back count on counting different digit digits equal to estimate fewest forward frame greater than group halfway inequality symbols jumps least	less than missing number more most number number line number track numerals one less one more ones order represent same strategy subtract ten frame tens total twenty words	add addition back bar Model calculation counting counting on difference digit card doubles equal fewer how many? missing more number number bonds number Line numeral ones part-whole model plus quantity related Facts represent subtract ten frame total two	add backwards base 10 count Backwards count Forwards digit estimate forwards frames greater than group halfway how many? left less than number Line number Track one Less one More ones part part-whole model partition place value representation right take away ten frames tens total Whole	centimetre cm height length long longer measure non-standard short shorter standard tall taller unit	balance Scale capacity empty equal full greater greatest heavier heavy less light lighter mass more nearly empty nearly full volume

White Rose Year 1 Summer 1 Maths Vocabulary List

Summer 1

Multiplication and division	Fractions	Position and direction
add altogether array backwards column counting double equal equal groups even forward group How many? number odd quantity row share ten frame total unequal	column equal even four groups half halves object one parts quantity quarter row shape split two whole	above backwards below bottom direction fifth first forwards fourth full turn half turn last left ordinal position quarter turn right second third three-quarter turn top turn

Autumn					
Place Value		Addition and Subtraction		Shape	
addition	least	add	make	2-D shape	octagon
after	less	addition	method	3-D shape	odd
altogether	less than	altogether	minus	circle	order
ascending	list	answer	missing number	cone	pattern
backwards	more	balance	more	cube	pentagon
base 10	most	base 10	number bond	cuboid	polygon
before	multiples	bonds	number line	curved	pyramid
between	number	calculate	ones	cylinder	rectangle
chart	number line	calculation	part	diagonal	repeating
closer to	number track	compare	part-whole model	diagram	same
columns	numerals	different	partition	different	shape
compare	odd	digits	pattern	edges	side
count	ones	efficient	place value	equal	smallest
counters	order	equal to	plus	even	sort
counting	part	equals	rekenrek	face	sphere
descending	part-whole model	equation	same	fewest	square
digits	partition	exchange	subtract	flat face	surface
end point	patterns	fewer	subtraction	group	symmetrical
equal	place value	find difference	sum	hexagon	symmetry
estimate	place value chart	greater than	tens	horizontal	triangle
even	position	inverse	total	line	triangular prism
fewer	reasonable	less	whole	lines of symmetry	Venn diagram
fewest	rekenrek	less than		middle	vertex
forwards	represent			mirror	vertical
greater	smaller			most	
greater than	start point				
greatest	tens				
group	total				
how many?	value				
intervals	whole				

White Rose Year 2 Spring Maths Vocabulary List

Spring

Money	Multiplication and Division		Length and Height	Mass, capacity and Temperature	
altogether amounts coins compare count equals greater investigation less than measure money notes part-whole model pence pounds same total value worth	addition altogether array bar model columns different divided divided by division double doubling equal equal to even exchange grouping groups groups of halve halving	lots of multiplication multiplied by number number line number sentence number track odd ones pattern repeated addition rows same shared equally sharing tens tens times times-table unequal	add centimetre closer difference divide end height length lines up longer longest measure metre multiply nearest order ruler shorter shortest start subtract taller tallest units	add balance balance scales capacity Celsius coldest cube cylinder divide drop empty estimate full grams greater greater than half half full halfway heavier interval kilograms less than lighter	litres mass millilitres multiply rise scales sphere temperature thermometer volume warmest wider

White Rose Year 2 Summer 1 Maths Vocabulary List

Summer 1

Fractions

1/2, 1/3, 1/4
array
bar model
denominator
diagonally
divided
equal
equivalent
four
fraction
fraction bar
group
groups
half
horizontally
non-unit fractions
numerator
one
part
quarter
split
thirds
three
two
unequal
unit fraction
vertically
whole

Time

afternoon
half
hands
hours
longer
minutes
morning
o'clock
past
quarter
shorter
three-quarters
to

Autumn					
Place Value		Addition and Subtraction		Multiplication and Division	
addition	less than	add	hundreds	arrays	half
altogether	more	addition	increase	backwards	inverse
ascending	multiple	approximately	inverse	bar model	multiplication
base 10	number line	bar model	multiple	columns	multiply
column	numeral	calculation	multiple of 10	consecutive	number line
compare	ones	changes	multiple of 100	divide	parts
descending	order	column	number bond/s	double	repeated addition
digit	part-whole model	commutative	number line	equal	rows
division	partition	complement	ones	forwards	shared
end point	place value	constant difference	part-whole model	grouped	times
equivalent	place value column	digit	partition	groups	Venn diagram
estimate	placeholder	equal	patterns		
exchange	position	equal to	place value		
flexible	represent	equivalent	subtract		
greater than	representation	estimate	subtraction		
halfway	start point	exchange	tens		
hundreds	subtraction	hundred square	total		
interval	tens				
label	thousands				
less					

White Rose Year 3 Spring Maths Vocabulary List

Spring			
Multiplication and Division		Length and Perimeter	
2-digit array bar mode calculate column combinations combine commutative compare digit division equal groups equal to exchange expanded method greater than grouping groups of less than link multiple multiplication		2D shape add centimetres compare convert difference divisions double edge equal equipment equivalent greatest half height inequality intervals length long longer	
multiply number line ones part part-whole partial product partition partitioning place value possibilities relationship remainder repeated addition representation row scaling sharing tens times-table total product twice as many zero		measurements measures metres millimetres opposite perimeter rotate ruler shorter smallest subtract compare take away taller the same as total units wide	
		Fractions	
		bar model compare denominator eighth equal equivalent fifth fraction half interval length non-unit fraction number line numerator order part quarter scale sixth third unit fraction whole	
		Mass, capacity and Temperature	
		add balanced bar model capacity diagram difference divide equal fraction grams greater heavier horizontal interval kilogram lighter litres mass millilitres number line scale subtract tip total volume weighing	

White Rose Year 3 Summer 1 Maths Vocabulary List

Summer 1		
Fractions B	Money	Time
bar model denominator equal equivalent exchange fraction groups numerator ones part-whole model partition remaining tens	add change coins difference equivalent exchange notes pence pounds subtract total	AM analogue clock face convert days digit digital duration half hour leap year midday midnight minute minutes months number system numeral partition PM quarter roman seconds weeks years

Autumn							
Place Value		Addition and Subtraction		Area	Multiplication		
accuracy	more	add	place value	2-D shape	altogether	inverse	
add	most	calculate	place value chart	accurately	arrays	inverse operation	
after	multiple	check	place value column	area	column	lots of	
ascending	multiples of 10	column	place value holder	arrays	commutative	multiple	
base 10	nearest	commutative	round to the nearest	circle	commutativity	multiplication	
before	number line	count on	smallest value	compare	difference	multiply	
between	number track	digit	subtract	difference	digit	partition	
closer	numeral	exchange	tens	greater than	divide	repeated addition	
column	one thousand	formal method	thousand	halved	divisible	row	
compare	ones	hundreds		orientation	division	sequence	
convert	order	inverse operation		rectangle	double	sharing	
count back	part-whole model	largest value		rectilinear shape	equal groups	sum	
count on	partition	multiple		rows	equal to	triple	
counters	pattern	number line		smaller than	factor pairs		
descending	place value	numbers		square	grouping		
difference	place value chart	ones		surface	groups of		
digit	place value position	part-whole		systematically			
end value	placeholder	model		triangle			
estimate	previous			vertical line			
exchange	represent			visualise			
flexible partition	representation						
Gattegno chart	roman numeral						
greater than	rounded						
greatest	rounding						
hundreds	scales						
inequality	start value						
intervals	subtract						
least	symbol						
less	ten thousand						
less than	tens						
mid point	thousands						
	value						

White Rose Year 4 Spring Maths Vocabulary List

Spring			
Multiplication	Length and perimeter	Fractions	Decimals
array base 10 column commutative correspondence divide division efficient exchange factor group groups of hundreds integer inverse multiplication multiply pair partition place value place value column placeholder possibility product remainder row scaling share ten frame	acute angle angle centimetre equilateral triangle equivalent half irregular polygon kilometre length metre millimetre non-polygon number bond obtuse angle parallel partition pentagon perimeter polygon properties quarter rectangle rectilinear regular polygon right angle symmetry thousand unit of measurement width	addition common denominator difference equal equivalent estimate fraction improper integer interval mixed number numerator part partition proper fraction subtract whole	centimetre decimal decimal point divide equivalent exchange fraction Gattegno chart half hundredth interval inverse millimetre non-unit fraction number line numerator partition place value chart place value column Rekenrek tenth tenth whole

White Rose Year 4 Summer 1 Maths Vocabulary List

Summer 1

Decimals B	Money	Time
ascending centimetre column decimal denominator descending equivalent fractions exchange flexibly fraction greater than half hundredths integer less than metre multiples numerator part place value place value chart placeholder quarter Rekenrek rounding tenths whole	ascending coin convert decimal point decimals descending equal to estimate multiple partition pence placeholder pounds separate treble	AM analogue column multiplication day decimal digital hour hour hand leap year midday midnight minute minute hand month palindromic PM second week year

Autumn

Place Value		Addition and Subtraction		Multiplication and Division		Fractions A	
ascending	one tenth	accuracy	greater	array	integer	bar model	mixed number
ascending order	one thousand	accurate	hundred	column	inverse	common	multiple
columns	ones	add numbers	inverse of addition	common factor	multiples	convert	multiply horizontally
compare	order	addition	inverse of subtraction	common multiple	multiplication	denominator	multiply vertically
descending	part-whole model	altogether	subtraction	commutative law	multiply	division	number line
descending order	placeholder	appropriate	inverse operation	composite number	odd	equivalent	numerator
flexible partitioning	place value	bar model	known facts	cube	place value chart	factor	part
Gattegno chart	place value chart	calculation	missing number	cube number	powers of	fraction	proper fraction
greater than	place value column	column	number line	cubed	powers of 10	fractional part	remainder
hundreds	powers of	difference	original number	cuboid	prime number	horizontally	times table
inequality symbol	previous	equal to	round	divide	row	improper fraction	unit fraction
integer	represent	estimate	strategies	equal to	sequence	integer	vertically
interval	roman numeral	exchange	subtract	even	smallest	integer part	whole
less than	round		subtraction	factor	square number		
more than	rows		sum	factor pair	sum		
next	separator			Gattegno chart	tenth		
number line	sequence			greatest	thousandth		
number system	standard			highest	times table		
numbers	partitioning			hundredth	whole number		
numerals	ten thousand/s						
one hundred	tens						
one hundred	thousand/s						
thousands	value						
one hundredth							
one million							

White Rose Year 5 Spring Maths Vocabulary List

Spring

Multiplication and Division	Fractions B	Decimals and Percentages	Perimeter and Area	Statistics
area column column multiplication divide division efficient exchange factor pairs factors greater multiplication multiply partition place value placeholder product remainder rounding short division ten thousand	denominator divide factor fraction of amount improper fraction integer mixed number multiply non-unit fraction numerator partitioning unit fraction	ascending closer to compare counters decimal decimal form decimal place denominator descending equivalent expanded form fiftieths fraction greater greatest value hundredth less mixed number number number line numerator Order partition place holder place value chart place value counters place value counters round tenth thousandth whole	area centimetre compound shape estimate factors half horizontal irregular shape length metre millimetre perimeter polygon rectangle rectilinear rectilinear shape regular shape squared width	addition answer cell compare data draw extract generate graph group information interpret line graph number plot point question read subtraction table timetable two-way table variable

White Rose Year 5 Summer 1 Maths Vocabulary List

Summer 1

Summer 1				
Shape		Position and direction	Decimals	
2-D shape	less	area	add	backward
3-D shape	line	coordinate grid	addition	calculation
acute	measure	coordinates	bar model	column addition
add	millimetre	diagonal line	column method	column subtraction
adjacent	model	direction	compare	decimal point
angle	net	first quadrant positive	complement	forward
anticlockwise	obtuse	gridline	decimal	inverse relationship
area	octagon	horizontal line	decimal place	mentally
centimetre	perimeter	length	digit	missing number
centre	polygon	line of symmetry	exchange	move to the left
classify	prism	mirror line	hundred	move to the right
clock	protractor	orientation	hundred square	multiplication
clockwise	pyramid	perimeter	hundredth thousandth	multiply
close	quarter turn	plot	hundredths	number line
compare	read scale	point	integer	number sequence
compound shape	rectangle	position	link	numerical value
cube	reflex	rectangle	number bond	option
cuboid	regular	reflection	number line	pattern
cylinder	right	shape	ones	place value counters
degree	scale	side	part-whole model	question
direction	shape	size	partition	rule
edge	side	squared grid	place	strategy
equal	size	symmetry	place value chart	term
estimate	sphere	translation	place value column	zero
face	square	triangle	subtract	
full turn	straight line	vertex	subtraction	
greater	subtract	vertical line	ten	
half a turn	turn	x-coordinate	ten frame	
halfway	vertex	x-value	tens	
irregular		y-coordinate	tenth	
isometric paper		y-value	thousand	
length			value	
			whole	

Autumn							
Place Value		Four operations		Fractions A and B		Converting Units	
add	one hundred	add	long division	add	multiple	approximate	kilogram
compare numbers	one hundred	addition	long multiplication	addition	multiplication	calculation	length
digits	thousand	area	mental strategy	amount	multiply	capacity	mass
dividing	one hundredth	area model	method	area model	multiply by	centimetre	measure
division	one million	arrays	multiples	bar model	non-unit fraction	conversion	metric
Gattegno chart	one tenth	bar model	multiplication	calculation	number line	convert	multiply
greater than	one thousand	brackets	multiply	common	numerator	decimal	ounce
hundred	ones	calculation	notation	denominator	operation/s	decimal place	pint
hundred thousand	order numbers	column addition	number line	common factor	order	distance	placeholder
hundreds	place holder	column method	operation	compare	part	divide	pound
integer	place value	column multiplication	order	convert	partition	foot	relationship
interval	place value chart	column subtraction	part-whole model	count on	pattern	four operations	representation
less	position	common factors	placeholder	denominator	product	fractions	stone
less than	positive	common multiples	powers	divide	prove	gallon	tonne
midpoint	powers of 10	commutative	prime	division	rectangle	gram	unit
million/s	rounding	composite numbers	prime factor	equal	reduction	gravity	volume
more	subtract	cube	prime number	equivalent	repeated addition	imperial	weight
multiples	ten million	diagram	product	equivalent fraction	representation	inch	zero
multiplying	ten thousand/s	digit	related fact	factors	share	inverse	
negative	tens	dividend	remainder	fining difference	simplest form		
number	thousands/s	divisibility rule	repeated division	fractions	simplify		
number line	value	divisible	round up/down	fraction wall	smaller		
numeral	zero	division	sorting diagram	greater	smallest		
		divisor/s	square	greatest	statement		
		estimation	strategy	improper	subtract		
		exchange	subtract	improper fractions	subtraction		
		factor/s	subtraction	integer	unit fraction		
		formula	times table	interval	whole		
		hundred square	volume	mixed number			
		integer	written method				
		inverse					

White Rose Year 6 Spring Maths Vocabulary List

Spring

Ratio		Algebra	Decimals	Fractions	Perimeter, Area and Volume	Statistics
add	scale drawing	algebraic expression	add	'per cent'	area	average
additive	scale factor	coordinates	addition	amount	base	axis
colon	sequence	equation	close to	array	centimetre	bar chart
comparison	shape	equation expression	complement	bar model	cube	bar model
diagram	side length	expression	decimal	calculate	cubic	data
divide	similar shapes	2-step equation inverse	decimal place	compare	cubic centimetre	dual bar chart
double number line	simplify	form expressions	decimal point	complements to 100	cubic metre	fraction
enlarge	simplifying	formula	exchange	convert	cube	fraction
equivalent fractions	size	function	fraction	decimal	estimate	half
equivalent ratios	subtract	input	Gattegno chart	denominator	factor	information
for every	symbol	integer	hundredths	divide	formula	line graph
Fraction	total	inverse	integer	division	greater than	marked points
inverse	whole	inverse equation expression	multiple	equal	half	mean
multiplicative		model	multiplication	equivalent	height	missing number
multiply		output	multiply	fraction	Layer	numbers
next		pattern	number line	function machine	length	option
number		replace	one-hundredth	halve	measure	part
original image		rule	one-tenth	halving	metre	percentage
part		simplify	one-thousandth	hundred square	multiplication	pie chart
previous		solution	ones	linking	parallelogram	quarter
proportion		substitute	part-whole model	missing	perimeter	record
problem		substitute expression	partition	multiple	perpendicular	scale
quantity		unknown	place value chart	number	rectangle	set
ratio		value	round to	number line	rectilinear	table
proportion			subtract	order	rectilinear shape	total
reduce			subtraction	part	rhombus	whole
relationship			tens	percentage	right-angled	
rule			tenths	place value chart	shape	
			thousandths	proportion	solid	
			whole	represent	square	
			whole number equivalent	short division	triangle	
				table	two-dimensional	
				whole	volume	
					width	

White Rose Year 6 Summer 1 Maths Vocabulary List

Summer 1		
Shape		Position and direction
3-D shape acute adjacent, angle calculate centre Point circumference classify degrees diameter equal equilateral equilateral Triangle estimate fractions hatch mark notation interior interior angle intersect inverse isosceles isosceles Triangle	measure obtuse parallelogram part polygon protractor radius reflex reflex angle rhombus right-angle rule scale scalene straight subtract surface vertex vertically opposite vertices whole	axis coordinate corresponding direction grid horizontal mirror Line negative parallel plot quadrant reflections translation vertex vertical vertices