



Parklands Primary School Whole School Vocabulary Progression - Maths

Number and Place Value						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
count subitise order ordinal compare forwards backwards numerals digit one more one less equal to more than less than fewer tens frame	sort represent multiples partition partitioning ones tens ordinal number	count in steps count in multiples consecutive place value estimate compare sum	ascending descending 10 or 100 more 10 or 100 less hundreds roman numerals baker's dozen	negative number 1000 more 1000 less thousands round to the nearest equation gross (144)	ten thousand one hundred thousand powers of integer	millions ten millions triangular number
Addition and Subtraction						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
add plus altogether total take away minus number bond part whole digit 1 digit number	addition add subtract subtraction difference equals equal to facts problems missing number 2 digit number	sum 3-digit number commutative (4+5=5+4)	column addition column subtraction exchange estimate	4-digit number operation method		

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Multiplication and Division						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
double half twice as many equal unequal share group odd even	multiply multiplication divide division arrays	multiplication tables/times tables commutative (4x5=5x4) multiple repeated addition	exchange mathematical statement missing number scale correspondence problem derived facts	factor pairs factors formal method informal method distributive law remainder bus stop method expanded method product	prime number square number cube number composite number short division dividend divisor quotient operations	multi digit number long division
Fractions/Decimals/Percentages						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	whole half quarter equal parts	three quarters third equivalent fractions unit fractions non unit fractions numerator denominator one whole	tenths	decimal equivalent fifth hundredths convert proper fractions improper fractions decimal fractions mixed numbers integer	thousandths percent % factors complements	
Ratio and Proportion						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						relative size missing values integer multiplication percentages

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						scale factor unequal sharing and grouping
Algebra						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						formulae linear algebraically equation unknowns combinations variables
Measurement - Measure and Length						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
measure wide wider narrow narrower compare long longer longest short shorter shortest length	compare	unit of measure estimate order record results centimetre cm metre m	millimetre mm perimeter	kilometres km rectilinear shape area	decimal notation scaling metric unit imperial unit inches compound shape irregular shape square centimetres square metres	conversion miles formulae parallelograms feet
Measurement - Height, Weight and Capacity						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
height long	mass volume	kilogram kg	millimetres breadth	kilometre	cubic centimetre pounds	cubic meter cubic millimetre



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longer longest tall taller tallest weight capacity heavy light heaviest than lighter than big bigger biggest full empty more than less than half/half full		gram g quarter full three quarters full litres l millilitres ml temperature celsius centimetres metres	width		pints	cubic kilometre gallons stones ounces
Measurement - Time						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
time quicker slower earlier later before after first next today yesterday tomorrow	chronological order days of the week months of the year month year o'clock half past second	intervals of time quarter to quarter past duration	analogue clock roman numerals 12 hour clock 24 hour clock a.m p.m noon midnight leap year digital	convert		



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morning afternoon evening day week hour minute						
Measurement - Money						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	money coins notes pounds £ pence p	value change				
Geometry - Properties of Shape						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
2d shapes rectangle square circle triangle 3d shapes cuboid cube cone sphere curved straight flat	sides corners properties pyramids faces	pentagon hexagon line of symmetry symmetrical properties cylinder edges vertices vertex	right angle triangle heptagon/septagon hendecagon octagon polygon oblong (rectangle) properties prism orientations angles acute angle obtuse angle turn right angle half turn	isosceles equilateral scalene trapezium rhombus/lozenge parallelogram kite geometric shape quadrilateral regular shape irregular shape axis of symmetry	regular polygon irregular polygon reflex angles degrees one whole turn angles on a straight line angles around a point missing angles bisect	radius diameter circumference dimensions quadrant rotational symmetry tessellation



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			three quarters of a turn greater than right a right angle less than a right angle horizontal lines vertical lines perpendicular lines parallel lines			
Geometry - Position and Direction						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
over under between around through on into next to behind beneath order repeat patterns on top of	position direction movement whole turn quarter turn half turn three quarter turn	clockwise anti-clockwise straight line rotation arrange sequences horizontal vertical		co-ordinates first quadrant grid translation plot polygon axis	reflection	four quadrants co-ordinate plane
Statistics						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		pictograms tally chart block diagram	table bar chart one step problem	time graph discrete data continuous data	timetable two-way tables	pie chart mean median



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		category sorting totalling comparing horizontal vertical	two step problem	line graph comparison problem sum problem difference problem calculate interpret		mode average
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