

ALP Year 5 Overview of Curriculum Content

Autumn		Spring		Summer	
Ready to Progress Criteria 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice. 5NF-2 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth). 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice. 5NF-2 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth). 5MD-1 Multiply and divide numbers by 10 and 100; understand this as equivalent to making a number 10 or 100 times the size, or 1 tenth or 1 hundredth times the size. 5MD-2 Find factors and multiples of positive whole numbers, including common factors and common multiples, and express a given number as a product of 2 or 3 factors. 5F-2 Find equivalent fractions and understand that they have the same value and the same position in the linear number system		Ready to Progress Criteria 5NPV-1 Know that 10 tenths are equivalent to 1 one, and that 1 is 10 times the size of 0.1. Know that 100 hundredths are equivalent to 1 one, and that 1 is 100 times the size of 0.01. Know that 10 hundredths are equivalent to 1 tenth, and that 0.1 is 10 times the size of 0.01 5NPV-2 Recognise the place value of each digit in numbers with up to 2 decimal places, and compose and decompose numbers with up to 2 decimal places using standard and non-standard partitioning. 5NPV-3 Reason about the location of any number with up to 2 decimals places in the linear number system, including identifying the previous and next multiple of 1 and 0.1 and rounding to the nearest of each. 5NPV-4 Divide 1 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in units of 1 with 2, 4, 5 and 10 equal parts. 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice. 5NF-2 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth). 5MD-3 Multiply any whole number with up to 4 digits by any one-digit number using a formal written method. 5MD-4 Divide a number with up to 4 digits by a one-digit number using a formal written method, and interpret remainders appropriately for the context. 5F-1 Find non-unit fractions of quantities. 5F-3 Recall decimal fraction equivalents for 1/4, 1/2, 1/5 and 1/10 and for multiples of these proper fractions.		Ready to Progress Criteria 5NPV-5 Convert between units of measure, including using common decimals and fractions. 5MD-1 Multiply and divide numbers by 10 and 100; understand this as equivalent to making a number 10 or 100 times the size, or 1 tenth or 1 hundredth times the size. 5G-1 Compare angles, estimate and measure angles in degrees (°) and draw angles of a given size.	
<u>Place Value</u>		<u>Multiplication & Division</u>		<u>Shape</u>	
Step 1 Roman numerals to 1,000 Step 2 Numbers to 10,000 Step 3 Numbers to 100,000 Step 4 Numbers to 1,000,000 Step 5 Read and write numbers to 1,000,000 Step 6 Powers of 10 Step 7 10/100/1,000/10,000/100,000 more or less Step 8 Partition numbers to 1,000,000	Step 9 Number line to 1,000,000 Step 10 Compare and order numbers to 100,000 Step 11 Compare and order numbers to 1,000,000 Step 12 Round to the nearest 10, 100 or 1,000 Step 13 Round within 100,000 Step 14 Round within 1,000,000	(NF-1 all steps) Step 1 Multiply up to a 4-digit number by a 1-digit number (5MD 3) Step 2 Multiply a 2-digit number by a 2-digit number (area model) (5MD 3) Step 3 Multiply a 2-digit number by a 2-digit number (5MD 3) Step 4 Multiply a 3-digit number by a 2-digit number (5MD 3) Step 5 Multiply a 4-digit number by a 2-digit number (5MD 3)	Step 6 Solve problems with multiplication Step 7 Short division (5MD 4) Step 8 Divide a 4-digit number by a 1-digit number (5MD 4) Step 9 Divide with remainders (5MD 4) Step 10 Efficient division Step 11 Solve problems with multiplication and division	Step 1 Understand and use degrees Step 2 Classify angles (5G-1) Step 3 Estimate angles (5G-1) Step 4 Measure angles up to 180° (5G-1) Step 5 Draw lines and angles accurately (5G-1)	
<u>Addition and Subtraction</u>		<u>Fractions B</u>		<u>Decimals B</u>	
Step 1 Mental strategies Step 2 Add whole numbers with more than four digits Step 3 Subtract whole numbers with more than four digits Step 4 Round to check answers Step 5 Inverse operations (addition and subtraction) Step 6 Multi-step addition and subtraction problems Step 7 Compare calculations Step 8 Find missing numbers		(NF-1 all steps) Step 1 Multiply a unit fraction by an integer Step 2 Multiply a non-unit fraction by an integer Step 3 Multiply a mixed number by an integer Step 4 Calculate a fraction of a quantity (5F-1) Step 5 Fraction of an amount (5F-1) Step 6 Find the whole Step 7 Use fractions as operators		Step 1 Use known facts to add and subtract decimals within 1 Step 2 Complements to 1 Step 3 Add and subtract decimals across 1 Step 4 Add decimals with the same number of decimal places Step 5 Subtract decimals with the same number of decimal places Step 6 Add decimals with different numbers of decimal places Step 7 Subtract decimals with different numbers of decimal places Step 8 Efficient strategies for adding and subtracting decimals Step 9 Decimal sequences Step 10 Multiply by 10, 100 and 1,000 (5MD-1) Step 11 Divide by 10, 100 and 1,000 (5MD-1) Step 12 Multiply and divide decimals – missing values (5MD-1)	
<u>Multiplication and Division</u>		<u>Decimals & Percentages</u>		<u>Negative Numbers</u>	
Step 1 Multiples Step 2 Common multiples Step 3 Factors Step 4 Common factors Step 5 Prime numbers Step 6 Square numbers Step 7 Cube numbers Step 8 Multiply by 10, 100 and 1,000 Step 9 Divide by 10, 100 and 1,000 Step 10 Multiples of 10, 100 and 1,000		Step 1 Decimals up to 2 decimal places (5NPV 1) Step 2 Equivalent fractions and decimals (tenths) (5NPV 3) (5F-3) Step 3 Equivalent fractions and decimals (hundredths) (5NPV 3) (5F-3) Step 4 Equivalent fractions and decimals (5F-3) Step 5 Thousandths as fractions Step 6 Thousandths as decimals Step 7 Thousandths on a place value chart (5NPV 2) Step 8 Order and compare decimals (same number of decimal places) (5NPV 3)	Step 9 Order and compare any decimals with up to 3 decimal places (5NPV 3) Step 10 Round to the nearest whole number (5NPV 3) Step 11 Round to 1 decimal place Step 12 Understand percentages Step 13 Percentages as fractions Step 14 Percentages as decimals Step 15 Equivalent fractions, decimals and percentages (5NPV 3)	Step 1 Understand negative numbers Step 2 Count through zero in 1s Step 3 Count through zero in multiples Step 4 Compare and order negative numbers Step 5 Find the difference	
<u>Fractions A</u>		<u>VOLUME</u>		<u>Converting Units</u>	
Step 1 Find fractions equivalent to a unit fraction Step 2 Find fractions equivalent to a non-unit fraction Step 3 Recognise equivalent fractions Step 4 Convert improper fractions to mixed numbers Step 5 Convert mixed numbers to improper fractions Step 6 Compare fractions less than 1 Step 7 Order fractions less than 1 Step 8 Compare and order fractions greater than 1	Step 9 Add and subtract fractions with the same denominator Step 10 Add fractions within 1 Step 11 Add fractions with total greater than 1 Step 14 Subtract fractions Step 15 Subtract from a mixed number Step 16 Subtract from a mixed number – breaking the whole	Step 1 Cubic centimetres Step 2 Compare volume Step 3 Estimate volume Step 4 Estimate capacity		Step 1 Kilograms and kilometres Step 2 Millimetres and millilitres Step 3 Convert units of length (5NPV-5) Step 4 Convert between metric and imperial units (5NPV-5) Step 5 Convert units of time (5NPV-5) Step 6 Calculate with timetables	
<u>Position and Direction</u>				<u>Perimeter and Area</u>	
Step 1 Read and plot coordinates Step 2 Problem solving with coordinates Step 3 Translation Step 4 Translation with coordinates Step 5 Lines of symmetry Step 6 Reflection in horizontal and vertical lines				Step 1 Perimeter of rectangles Step 2 Perimeter of rectilinear shapes Step 3 Perimeter of polygons Step 4 Area of rectangles Step 5 Area of compound shapes Step 6 Estimate area	
				<u>Statistics</u>	

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