



Expectations Framework for Mathematics

Working at the expected standard (3S): Year 3

Statement	Evidence	Secure
Counting and Place value		
Count from 0 in multiples of 4		
Count from 0 in multiples of 8		
Count from 0 in multiples of 50		
Count from 0 in multiples of 100		
Can count , read and write numbers to 1000		
Can identify the place value of each digit in a 3 digit number using the terminology ones, tens and hundreds		
Can solve problems and reason about any aspects of counting and place value		
Addition and Subtraction		
Add any 1 digit number to a 3 digit number mentally		
Subtract any 1 digit number from a 3 digit number mentally		
Add any multiple of 10 to a three digit number mentally		
Subtract any multiple of 10 from a 3 digit number mentally		
Add any multiple of 100 a 3 digit number mentally		
Subtract any multiple of 100 from a 3 digit number mentally		
Add numbers with up to 3 digits (where possible using the formal column method of addition)		
Subtract numbers with up to 3 digits (where possible using the formal column method of subtraction)		
Multiplication		
Recall and use the multiplication and division facts for the 3 x table		
Recall and use the multiplication and division facts for the 4 x table		
Recall and use the multiplication and division facts for the 8 x table		
Write and calculate mathematical statements using the times table facts that they know		
Use what they know about times tables to solve 2 digit x 1 digit multiplication problems		
Fractions		
Understand how tenths arise and count up and down in tenths		
Using pictures, diagrams or representations add or subtract fractions with the same denominator		
Recognise, find and write fractions of a discrete set of objects using unit fractions with small denominators		
Recognise, find and write fractions of a discrete set of objects using non- unit fractions with small denominators		
Recognises and shows, using diagrams, equivalent fractions with small denominators		
Measurement		
Measures, compares, adds and subtracts lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)		
Adds and subtracts amounts of money to give change, using both £ and p in practical contexts		
Tells and writes the time accurately from an analogue clock and 12-hour and 24-hour clocks		
Know how many seconds in a minute and how many days in a year/ leap year		
Identifies right angles, recognises that two right angles make a half-turn, three make three quarters of a turn and four a complete turn		
Identifies whether angles are greater than or less than a right angle		
Statistics		
Interprets data presented in bar charts, pictograms and tables		

To be deemed as working at the expected standard at the end of Year 3 needs to demonstrate that they have met all the standards below as well as having a broad understanding of the rest the curriculum. For an



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objective to be met a pupil must demonstrate an ability in fluency, reasoning and problem solving aspects of the target.

Working at Greater Depth (3S+): Year 3

To be deemed as working Greater Depth by the end of Year 3 a child needs to demonstrate that they have met all of the working at targets and that they can reason and problem solve fluently within these objectives. They must also demonstrate that they can meet all of the below statements.

Statement	Evidence	Secure
Counting and Place value		
Compare and order numbers up to 1000 in a number of ways including on a number line		
represent and estimate the size of different numbers to 1000 in different ways including on a number line		
Read and write any number to 1000 in words		
Can solve problems which involve all areas of counting and place value		
Addition and Subtraction		
Can choose whether a written or mental calculation is most appropriate based on the problem presented		
Can use the column method of addition fluently and in a range of contexts for 3 digit numbers		
Can use the column method of subtraction fluently and in a range of contexts for 3 digit numbers		
Reasonably estimate the answer to a problem before calculating it		
Use inverse to check the answer of a calculation		
Solve complex addition and subtraction problems including missing number and multiple step problems		
Multiplication and division		
Use the grid method of multiplication fluently		
Use inverse to check multiplication and division calculations		
Confidently solve a range of multiplication and division problems including missing box and integer scaling problems		
Fractions		
Add and subtract fractions confidently with the same denominator and solve problems in this context		
Solve a variety of more complex fraction problems		
Measurement		
Confidently measure and solve perimeter problems of simple 2d shapes		
Use Roman numerals to write and read the time		
Compare durations of events and solve problems to calculate durations or differences in times		
Shape		
identify horizontal and vertical lines,		
identify pairs of parallel and perpendicular lines		
Statistics		
Interpret bar charts, tables and pictograms to solve complex one step and two step problems e.g. how many more and find the difference		