

Cookridge Primary School: Year 3 Objectives - Mathematics

Basic Skills (Fluency) by the end of Year 3:	Baseline	Aut 2	Spr 1	Spr 2	Sum 1	Final
1. Recognise the place value of each digit in a three-digit number (hundreds, tens, ones and tenths).						
2. Count in 1/10's through whole numbers e.g. 0.8 to 1.1.						
3. The pupil can add and subtract mentally 1's 10's and 100's from a three-digit number.						
4. Read and write numbers to at least 1000 in numerals and in words .						
5. Count in multiples of 4, 8, 50 and 100 and find 10 more or less from a given number.						
6. Know Timetables 2, 3, 4, 5, 8, 10 (Efficient recall/inverse division facts).						
7. Recall Mathematical facts and vocabulary related to mathematical understanding e.g. Mathematical facts e.g. 90° in a right angle.						
Key Learning for Secure	Baseline	Aut 2	Spr 1	Spr 2	Sum 1	Final
Place Value						
1. Compare and order numbers up to 1000.						
2. Solve number problems and practical problems involving the basic skills (Fluency).						
Addition and Subtraction (Teach inverse e.g. $7+3=10/10-7=3$)						
3. Add and subtract numbers mentally , including: a three-digit number and ones a three-digit number and tens a three-digit number and hundreds						
4. Add and subtract amounts of money to give change, using both £ and p in practical contexts.						
5. Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.						
Multiplication and Division (Teach inverse e.g. $2 \times 5 = 10 / 10 \div 2 = 5$)						
6. Pupils develop efficient mental methods, for example, using commutativity and associativity (for example, $4 \times 12 \times 5 = 4 \times 5 \times 12 = 20 \times 12 = 240$).						
7. Multiplication and division of two-digit by a one-digit number using formal written layout .						
Fractions						
8. Recognise equivalent fractions e.g. $2/8 = 1/4$.						
9. Pupils can add and subtract fractions with same denominator e.g. $3/5 - 1/5 = .$						
Measurement (Every half term)						
M1 – Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).						
M2 - Know the number of seconds in a minute and the number of days in each month, year and leap year.						
M3 - Estimate and read (Different contexts) time with increasing accuracy to the nearest minute; minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.						
M4 – Can convert 120 cm to m; 5m into cm; 3000g into kg.						
Geometry (Every half term)						
G1 –Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them, being able to measure their perimeter.						
G2 - Can identify right angles and whether an angle is greater or less than 90 degrees.						

Estimate the answer to a problem or calculation and use inverse operation to check.