

Cookridge Primary School: Year 4 Objectives - Mathematics

Basic Skills (Fluency) by the end of Year 4:	Baseline	Aut 2	Spr 1	Spr 2	Sum 1	Final
1. Count backwards through zero to include negative numbers to three digits.						
2. Recognise the place value of each digit in a four-digit number (Thousands, hundreds, tens, ones and tenths).						
3. Count in 1/100's through whole numbers e.g. 0.01 to 1.0.						
4. Count in multiples of 6, 7, 9, 25 and 1000 and find 1000 more or less from a given number.						
5. Know Timetables 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 (Efficient recall/Inverse division facts).						
6. 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 beyond 1000.						
2. Round any number to the nearest 10, 100 or 1000.						
3. Read roman numerals to 100.						
4. Solve number problems and practical problems involving the basic skills (Fluency).						
Addition and Subtraction (Teach inverse e.g. $7+3=10/10-7=3$)						
5. Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.						
6. Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.						
Multiplication and Division (Teach inverse e.g. $2 \times 5 = 10 / 10 \div 2 = 5$)						
7. Multiplication and division of two-digit and three-digit numbers by a one-digit number using formal written layout .						
8. Solve problems, including 2 step problems , involving multiplying and dividing, problems such as n objects are connected to m objects.						
Fractions (Decimals)						
9. Pupils can add and subtract fractions with same denominator e.g. $3/5 - 1/5 =$.						
10. Compare numbers with the same number of decimal places up to two decimal places.						
11. Round decimals with one decimal place to the nearest whole number.						
Measurement (Every half term)						
M1 – Consolidate converting between different units of measure e.g 120 cm to m; 5m into cm; 3000g into kg.						
M2 – Measure perimeter in cm and m and work out the area by counting squares.						
M3 – Convert time between analogue and digital solving relating contextual problems.						
Geometry (Every half term)						
G1 – Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.						
G2 - Identify lines of symmetry in 2-D shapes presented in different orientations and create simple symmetrical figures.						
Statistics						
S1 - Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs .						

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