

# Year 4 Maths Assessment

## To be 'working' the children need to be working securely within the red statements.

Find 1000 more or less than a given number.

Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones).

Order and compare numbers beyond 1000.

Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.

Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.

## To be 'secure' the children need to achieve the red statements and be working securely within the orange statements.

Count in multiples of 6, 7, 9, 25 and 100.

Count backwards through zero to include negative numbers.

Identify, represent and estimate numbers using different representations.

Round any number to the nearest 10, 100 or 1000.

Recall multiplication and division facts for multiplication tables up to 12 x 12.

Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.

Recognise and use factor pairs and commutativity in mental calculations.

Recognise and show, using diagrams, families of common equivalent fractions.

Recognise and write decimal equivalents to  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ .

Find the effect of dividing a one or two digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.

Round decimals with one decimal place to the nearest whole number.

Compare numbers with the same number of decimal places up to two decimal places.

Identify acute and obtuse angles and compare and order them.

Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

## To be secure+ the children need to achieve the red and orange statements and be working securely within the green statements

Solve number and practical problems that involve place value and number objectives with increasingly large positive numbers.

Read Roman numerals to 100 and know that over time, the numeral system changed to include the concept of zero and place value.

Estimate and use inverse operations to check answers to a calculation.

Solve addition and subtraction two-step problems in contexts, deciding operations and methods to use and why.

Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.

Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities including non-unit fractions where the answer is a whole number.

Add and subtract fractions with the same denominator.

Recognise and write decimal equivalents of any number of tenths or hundredths.

Solve simple measure and money problems involving fractions and decimals to two decimal places.