



Maths Progression of Skills and Knowledge Assessment Grid

Place Value

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Counting	<p>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</p> <p>count, read and write numbers up to 100 in numerals</p> <p>count in multiples of twos, fives and tens</p> <p>given a number, identify one more and one less</p>	<p>count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward</p>	<p>count from 0 in multiples of 4, 8, 50 and 100</p> <p>find 10 or 100 more or less than a given number</p>	<p>count backwards through zero to include negative numbers</p> <p>count in multiples of 6, 7, 9, 25 and 100</p> <p>find 1,000 more or less than a given number</p>	<p>Interpret negative numbers in context,</p> <p>count forwards and backwards with positive and negative whole numbers, including through zero</p> <p>count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000</p>	<p>use negative numbers in context, and calculate intervals across zero</p>

<p>Comparing numbers</p>	<p>use the language of: equal to, more than, less than (fewer), most, least</p>	<p>compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs</p>	<p>compare and order numbers up to 1 000</p>	<p>order and compare numbers beyond 1000</p> <p>compare numbers with the same number of decimal places up to two decimal places (copied from Fractions)</p>	<p>read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)</p>	<p>read, write, order and compare numbers up to 10,000</p> <p>000 and determine the value of each digit (appears also in Reading and Writing Numbers)</p>
<p>Identifying, Representing and Estimating numbers</p>	<p>identify and represent numbers using objects and pictorial representations including the number line</p>	<p>identify, represent and estimate numbers using different representations, including the number line</p>	<p>identify, represent and estimate numbers using different representations</p>	<p>identify, represent and estimate numbers using different representations</p>		
<p>Reading and writing numbers (inc. Roman Numerals)</p>	<p>read and write numbers from 1 to 20 in numerals and words.</p>	<p>read and write numbers to at least 100 in numerals and in words</p>	<p>Read and write numerals up to 1000 in numbers and words</p> <p>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24hour clocks (copied from Measurement)</p>	<p>read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.</p>	<p>Read and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers)</p> <p>read Roman numerals to 1 000 (M) and recognise years written in Roman numerals</p>	<p>Read, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Understanding Place Value)</p>

<p style="text-align: center;">Understanding Place Value</p>		<p>recognise the place value of each digit in a two-digit number (tens, ones)</p>	<p>recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</p>	<p>recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p> <p>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 units, tenths and hundredths (copied from Fractions)</p>	<p>read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)</p> <p>recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (copied from Fractions)</p>	<p>read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)</p> <p>identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1 000 where the answers are up to three decimal places (copied from Fractions)</p>
<p style="text-align: center;">Rounding</p>				<p>round any number to the nearest 10, 100 or 1 000</p> <p>round decimals with one decimal place to the nearest whole number (copied from Fractions)</p>	<p>round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000</p> <p>round decimals with two decimal places to the nearest whole number and to one decimal place (copied from Fractions)</p>	<p>round any whole number to a required degree of accuracy</p> <p>solve problems which require answers to be rounded to specified degrees of accuracy (copied from Fractions)</p>

**Problem
Solving**

use place value
and number facts
to solve problems

solve number
problems and
practical
problems
involving these
ideas.

solve number and
practical
problems that
involve all of the
above and with
increasingly large
positive numbers

solve number
problems and
practical
problems that
involve all of the
above

solve number
problems and
practical
problems that
involve all of the
above