



Number – number and place value	Number – addition and subtraction	Number – multiplication and division
▶ Count forwards or backwards in steps of integers, decimals, powers of 10. ▶ <u>Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.</u> ▶ Identify the value of each digit to three decimal places. ▶ <u>Identify, represent and estimate numbers using the number line.</u> ▶ <u>Order and compare numbers including integers, decimals and negative numbers.</u> ▶ <u>Find 0.001, 0.01, 0.1, 1, 10 and powers of 10 more/less than a given number.</u> ▶ Round any whole number to a required degree of accuracy. ▶ <u>Round decimals with three decimal places to the nearest whole number or one or two decimal places.</u> ▶ <u>Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.</u> ▶ <u>Use negative numbers in context, and calculate intervals across zero.</u> ▶ <u>Describe and extend number sequences including those with multiplication and division steps, inconsistent steps, alternating steps and those where the step size is a decimal.</u> ▶ Solve number and practical problems that involve all of the above.	▶ <u>Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method).</u> ▶ Select a mental strategy appropriate for the numbers in the calculation. ▶ <u>Recall and use addition and subtraction facts for 1 (with decimals to two decimal places).</u> ▶ Perform mental calculations including with mixed operations and large numbers and decimals. ▶ <u>Add and subtract whole numbers and decimals using formal written methods (columnar addition and subtraction).</u> ▶ Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. ▶ Use knowledge of the order of operations to carry out calculations. ▶ <u>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</u> ▶ Solve problems involving all four operations, including those with missing numbers.	▶ <u>Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method).</u> ▶ Identify common factors, common multiples and prime numbers. ▶ Use partitioning to double or halve any number. ▶ Perform mental calculations, including with mixed operations and large numbers. ▶ <u>Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication.</u> ▶ <u>Multiply one-digit numbers with up to two decimal places by whole numbers.</u> ▶ <u>Divide numbers up to 4 digits by a two-digit whole number using the formal written methods of short or long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.</u> ▶ <u>Use written division methods in cases where the answer has up to two decimal places.</u> ▶ Use estimation and inverse to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. ▶ Use knowledge of the order of operations to carry out calculations. ▶ <u>Solve problems involving all four operations, including those with missing numbers.</u>