

| I can | Maths - 6 |
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| Numbers and place value | *I can read, write, order and compare numbers up to at least 10,000,000 (ten million) and say the value of each digit. |
| | *I can show an understanding of place value including decimals e.g. $28.13 = 28 + 2 + 0.03$ |
| | *I can round any number to a required degree of accuracy. |
| | I can use negative numbers in context when looking at temperature or money, counting in jumps forwards and backwards through 0. |
| | I can solve number and practical problems that involve ordering and comparing numbers up to 10,000,000, rounding to a required degree of accuracy, using negative numbers and calculating intervals across zero |
| Addition and Subtraction | *I can mentally calculate using a mix of the four operations. |
| | *I can solve problems with more than one step and operation and explain why I used them. |
| | *I can solve addition and subtraction word and practical problems. |
| | *I can use estimation to check answers to calculations and determine an appropriate degree of accuracy. |
| Multiplication and Division | I can multiply numbers of up to 4 digits by a two-digit number using a formal written method. |
| | I can divide numbers of up to 4 digits by a two-digit number using a formal written method of long division, showing remainders, fractions or rounding as appropriate. |
| | I can divide numbers of up to 4 digits by a two-digit number using a formal written method of short division, showing remainders, fractions or rounding as appropriate. |
| | I can mentally calculate using a mix of the four operations and increasingly large numbers. |
| | I can identify common factors, multiples and prime numbers. |
| | I can use the order of importance of the four operations when answering questions. |
| | *I can solve addition and subtraction multi-step problems, deciding which operations and methods to use and explain why they were suitable. |
| | *I can solve problems involving addition, subtraction, multiplication and division. |
| | *I can use estimating to check answers and problem solving. |
| Fractions, Decimals and % | *I can use common factors and multiples to simplify fractions and express fractions in the same denomination. |
| | I can compare and order fractions including those bigger than 2. |
| | *I can add and subtract fractions with different denominators and mixed numbers. |
| | *I can multiply simple pairs of proper fractions, writing the answer in the simplest form such as $1/4 \times 1/2 = 1/8$. |
| | I can divide proper fractions by whole numbers such as $1/3 \div 2 = 1/6$. |
| | *I can link a fraction with division and work out decimal fractions such as 0.378 is $3/8$ as a simple fraction. |
| | *I can explain the place value of any digit in a number with up to 3 decimal places and multiply or divide these by 10, 100 or 1000. |
| | *I can multiply numbers less than 10 with up to 2 decimal places by whole numbers. |
| | I can use written division methods for numbers with up to two decimal places. |
| | I can solve problems which require answers to be rounded to specified degrees of accuracy. |

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| | *I can use equivalences between simple fractions, decimals and percentages to help me solve problems. |
| Measures | *I can solve problems involving the calculation and conversion of units of measure, using decimal notation up to three places if I need to. |
| | *I can use, read, write and convert between standard units. I can convert measurement of length, mass, volume and time from a smaller unit to a larger unit and vice versa. I can do this using decimal notation up to three decimal places. |
| | I can convert between miles and kilometres. |
| | I can recognise that shapes with the same area can have different perimeters and vice versa. |
| | I can recognise when it is possible to use formulae to find the areas or volumes of shapes. |
| | I can calculate the areas of parallelograms and triangles. |
| | I can calculate, estimate and compare volumes of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic metres (m^3). I can extend this to other units e.g. mm^3 and km^3 . |
| Shape | I can draw 2-D shapes using dimensions and angles I am given. |
| | I can recognise, describe and build simple 3-D shapes, including making nets. |
| | I can compare and classify geometric shapes based on their properties and sizes. I can also find unknown angles in any triangles, quadrilaterals or regular polygons. |
| | I can illustrate and name parts of circles, including radius, diameter and circumference. I know that the diameter is twice the radius. |
| | *I can recognise angles where they meet at a point, are on a straight line or are vertically opposite. I can then find any missing angles. |
| | I can describe positions in all four quadrants on a full coordinate graph. |
| | I can draw and translate simple shapes on the coordinate plane and reflect these in the axis. |
| | I can interpret and construct pie charts and line graphs. I can use these to solve problems. |
| | I can calculate and interpret the mean as an average. |
| Ratio proportion | I can solve problems that involve the relative sizes of two things where the missing number can be found by multiplying or dividing by whole numbers. |
| | *I can solve problems involving the calculation of percentages. I can also use percentages for comparisons. |
| | I can solve problems involving shapes where the scale factor is known or can be found. |
| | I can solve problems involving unequal sharing and grouping. I can use my knowledge of fractions and multiples to do this. |
| Algebra | *I can use simple formulae. |
| | I can create and describe linear number sequences. |
| | I can record missing number problems algebraically. |
| | I can find pairs of numbers which complete an equation with two unknowns |
| | I can create a list of possibilities of the combination of two variables. |

KPIs

* = Hambleton Essentials