**![hcps_logo_mono_2[1]150X169.png]()End of Year 6 Expectations for Maths**

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| Understand that 2 numbers can be related additively or multiplicatively, and quantify additive and multiplicative relationships (multiplicative relationships restricted to multiplication by a whole number).  |
| Use a given additive or multiplicative calculation to derive or complete a related calculation, using arithmetic properties, inverse relationships, and place-value understanding. |
| Understand the relationship between powers of 10 from 1 hundredth to 10 million, and use this to make a given number 10, 100, 1,000, 1 tenth, 1 hundredth or 1 thousandth times the size (multiply and divide by 10, 100 and 1,000).  |
| Recognise the place value of each digit in numbers up to 10 million, including decimal fractions, and compose and decompose numbers up to 10 million using standard and non-standard partitioning. |
| Reason about the location of any number up to 10 million, including decimal fractions, in the linear number system, and round numbers, as appropriate, including in contexts. |
| Divide powers of 10, from 1 hundredth to 10 million, into 2, 4, 5 and 10 equal parts, and read scales/number lines with labelled intervals divided into 2, 4, 5 and 10 equal parts. |
| Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems. |
| Recognise when fractions can be simplified, and use common factors to simplify fractions.  |
| Express fractions in a common denomination and use this to compare fractions that are similar in value. |
| Compare fractions with different denominators, including fractions greater than 1, using reasoning, and choose between reasoning and common denomination as a comparison strategy. |
| Solve problems involving ratio relationships. |
| Solve problems with 2 unknowns. |