



Maths Ratio, Proportion and Algebra Progression at Meanwood C of E Primary School



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| CURRICULUM SUBJECT: | | Maths | | SUBJECT LEADS: | | Catherine Bowie | |
| | | Ratio, Proportion and Algebra | | | | | |
| What are the Y6 end of school end goals? | | <p>To have a solid understanding of number and be confident using number in everyday situations</p> <p>To use basic maths to solve problems that involve application and thought</p> <p>To not fear maths and to see it as a gateway to improving understanding of the wider world</p> <p>To be able to use a range of strategies which provide recognised, reasonable solutions</p> <p>To have a can-do attitude to maths and be resilient when faced with difficult challenges</p> | | | | | |
| How is the curriculum at Meanwood C of E Primary School sequenced towards these end points? | | | | | | | |
| Ratio, Proportion and Algebra | | | | | | | |
| Ratio and Proportion | | | | | | | |
| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | |
| | | | | | | | <ul style="list-style-type: none"> • solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts • solve problems involving the calculation/use of percentages for comparison • solve problems involving similar shapes where the scale factor is known or can be found • solve problems involving unequal |



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| | | | | | | sharing and grouping using knowledge of fractions and multiples Spring 1 |
| Algebra | | | | | | |
| | <ul style="list-style-type: none"> • <i>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$</i> | <ul style="list-style-type: none"> • <i>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</i> | <ul style="list-style-type: none"> • <i>solve problems, including missing number problems</i> | <ul style="list-style-type: none"> • <i>solve problems, including missing number problems</i> | <ul style="list-style-type: none"> • <i>solve problems, including missing number problems</i> | <ul style="list-style-type: none"> • use simple formulae • generate and describe linear number sequences • express missing number problems algebraically • find pairs of numbers that satisfy an equation with two unknown • enumerate possibilities of combinations of two variables Spring 2 |