| Mathematical aspect | Mathematical themes | National Curriculum statement |
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| Week 1 | Calculation and arithmetic : Multiplication and division ( continued) <br> Apply tables knowledge in the context of place value <br> eg $6 \times 7=42$ and $60 \times 7$ etc <br> Understanding the relationships between the multiplication and division statements eg $6 \times 7=42,7 \times 6=42$ and $42 \div 7=6$ <br> Facts and mental to written methods <br> Mental strategies for partitioning for multiplication ( $96 \times 6$ could be $90 \times 6$ and $6 \times 6$ ) <br> Mental strategies for rearranging for division ( $96 \div 6$ could be partitioned into $60 \div 6$ and $36 \div 6$ ) distributive law Understanding multiplication as commutative <br> Grid to short standard method <br> Short division method backed up by models and images (refer to calculation on policy | To recall and use multiplication and division facts To write and calculate mathematical statements for multiplication and division, using facts and place value To recognise and use commutativity in mental calculations To use a formal written method for multiplication and division. To recognise and use commutativity in mental calculations To understand the effect of dividing a one- or two- digit number by 10 and 100 <br> To solve problems, including missing number problems, involving multiplication and division |
| Weeks 2-4 | Fractions: comparing and ordering and fractions as numbers (refer to fractions policy) <br> Understand the denominator as equal parts and the numerator as how many equals parts numerator Understanding the whole and parts Variety of models used to understand the structure of fractions Developing understanding or denominator e.g the bigger the denominator the smaller the fraction | To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators <br> To recognise and show equivalent fractions <br> To add and subtract fractions <br> To compare and order unit fractions, and fractions with the same denominators <br> To calculate fractions of quantities |
| Weeks 5-7 | Decimals <br> Learn about tenths and hundredths. <br> Be able to count, order and record the decimals in different ways. Begin to see equivalence between tenths and hundredths. <br> Be able to compare and order the numbers. <br> Understand how to continue linear number sequences. <br> Round decimals to the nearest whole number. | Recognise and write decimal equivalents of any number of tenths or hundredths. <br> Find the effect of dividing a 1- or 2-digit number by 10 and 100 , identifying the value of the digits in the answer as ones, tenths and hundredths. <br> Compare numbers with the same number of decimal places up to 2 decimal places. |


|  | Link tenths and hundredths with dividing by 10 and 100. <br> Understand $1 / 10$ is read as 1 tenth and 0.1 is also read as 1 tenth. <br> Know that $1 / 10=0.1=1$ tenth. <br> Have a good understanding of the base-10 number system. <br> Be able to relate 1 tenth to 1 part out of 10 equal parts of 1 . <br> Know that there are ten 0.1 in 1. <br> Know that 1 is 10 times as much as 0.1 . <br> Understand the role of zero as a placeholder. <br> Be able to relate 1 hundredth to 1 part out of 100 equal parts of 1 . <br> Be able to relate 1 hundredth to $1 / 100$. <br> Be able to relate 1 hundredth to 0.01 . <br> Relate that 1 hundredth $=1 / 100=0.01$. <br> Know that there are ten 0.01 in 0.1 . <br> Know that 0.1 is 10 times as much as 0.01 . <br> Identify hundredths using decimals. | Round decimals with 1 decimal place to the nearest whole number. <br> Recognise and write decimal equivalents to $1 / 4,1 / 2,3 / 4$. Solve simple measure and money problems involving fractions and decimals to 2 decimal points |
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| Week 8-10 | Money <br> Count and record in pounds and pence. Count amounts of money to find the total. Write money in pounds using decimal notation Make links between tenths and hundredths and decimal notation for money. <br> Compare amounts of money by looking at significant digits and by converting amounts from pounds to pence and vice versa. <br> Round money to the nearest pound and understand contexts in which this would be a useful skill to know. <br> Estimate amounts and totals. <br> Apply these skills to problem-solving situations, finding totals and calculating change. <br> Visualise a money problem using a bar model and begin to explore unequal sharing in the context of money. <br> Know the relative values of different coins. <br> Know that $10 \times 10 p=£ 1.00$. <br> Understand the equivalence between 10 p and $£ 0.1$. <br> Record multiples of 10 p as a fraction. | To measure, compare and convert between units of measure <br> To calculate amounts of money <br> Calculate different measures, including money in pounds and pence <br> Estimate, compare and calculate different measures, including money in pounds and pence. <br> Add and subtract amounts of money to give change, using both pounds and pence in practical contexts |



|  | Write height in metres as a decimal. <br> Write height in metres as a mixed number |  |
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