| WEEK 1 | OBJECTIVES | NON-STATUTORY GUIDANCE AND SUPPORT FOR |
| :---: | :--- | :--- |
| LEARNING |  |  |


| WEEK 2 | OBJECTIVES | NON-STATUTORY GUIDANCE AND SUPPORT FOR |
| :--- | :--- | :--- |
| LEARNING |  |  |


| WEEK 3 | OBJECTIVES | NON-STATUTORY GUIDANCE AND SUPPORT FOR LEARNING |
| :---: | :---: | :---: |
| Number Subtraction | - Subtract numbers mentally with increasingly large numbers <br> - Subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) <br> - Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy <br> - Solve addition and subtraction multistep problems in contexts, deciding which operations and methods to use and why | Pupils practise using the formal written methods of columnar subtraction with increasingly large numbers to aid fluency. <br> They practise mental calculations with increasingly large numbers to aid fluency (for example 12462 - $2300=10162)$ <br> NRICH: Twenty Divided Into Six ** <br> NRICH: Reach 100 *** <br> NRICH: Two and Two *** <br> NRICH: Journeys in Numberland * <br> NRICH: Make 100 ** <br> Real life links: <br> Learners will encounter addition and subtraction when focusing on: <br> Money - when required to add prices, calculate change, add surcharges or interest, or subtract discounts; <br> Measurement - when required to add lengths, calculate remaining distance in a journey, find how much more/less liquid is needed, add quantities when cooking, calculate perimeters of regular and irregular shapes, work out time differences e.g. how many days until Christmas, how many minutes until break time etc.; <br> Mathematical Challenges for the more able |


| WEEK 4 | OBJECTIVES | NON-STATUTORY GUIDANCE AND SUPPORT FOR LEARNING |
| :---: | :---: | :---: |
| Number <br> Multiplication | - Multiply numbers mentally drawing upon known facts. <br> - Multiply numbers up to 4 digits by a one or two digit number using a formal written method including long multiplication for two digit numbers <br> - Multiply whole numbers and those involving decimals by 10, 100 and 1000 | See calculation policy. <br> Pupils practise and extend their use of the formal written methods of short multiplication. <br> They apply all the multiplication tables and related division facts frequently, commit them to memory and use them confidently to make larger calculations. <br> NRICH: Sweets in a Box * <br> NRICH: Which Is Quicker? * <br> NRICH: Multiplication Squares * <br> NRICH: Flashing Lights * <br> NRICH: Abundant Numbers * <br> NRICH: Factor Track ** <br> NRICH: Factors and Multiples Game <br> NRICH: Curious Number *** <br> NRICH: Make 100 ** |


| WEEK 4 | OBJECTIVES | NON-STATUTORY GUIDANCE AND SUPPORT FOR LEARNING |
| :---: | :---: | :---: |
|  |  | Real life links: <br> Problems for the children to solve that involve multiplication for example: <br> Naomi was making some fruit juice for a party. She decided each person would need 350 ml of juice. If there were 24 people at the party, how many litres of juice does she need to make? <br> Jessie had eight lengths of rope. Each was1m 36cm. If he put them side by side what would the total length be? <br> Paddy had 12 cartons of orange juice. Each carton contained 0.750l. How much juice did he have altogether? <br> Suzie, the baker, was making 14 loaves of bread for the local supermarket. For each loaf she needed 1.275 kg of flour. What is the total amount of flour that she needed? India took part in a sponsored bike ride at her school. She cycled 25 times around the perimeter of the school playground. The perimeter is 105.34 m . How far did she travel? <br> Mathematical Challenges for the more able <br> Zids and Zods - 66 |


| WEEK 5 | OBJECTIVES | NON-STATUTORY GUIDANCE AND SUPPORT FOR LEARNING |
| :---: | :---: | :---: |
| Number <br> Division | - Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context. <br> - Divide whole numbers and those involving decimals by 10, 100 and 1000 <br> - Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign | Pupils practise and extend their use of the formal written methods of short division (see Mathematics Appendix 1). <br> They apply all the multiplication tables and related division facts frequently, commit them to memory and use them confidently to make larger calculations. <br> NRICH: Curious Number *** <br> NRICH: Make 100 ** <br> Real life links: <br> You could make up problems for the children to solve that involve division for example: <br> Harris had $£ 38.96$. He shared his money into four equal piles. How much money was in each pile? Suzie, the baker, was making 14 loaves of bread for the local supermarket. For each loaf she needed 1.275 kg of flour. What is the total amount of flour that she needed? India took part in a sponsored bike ride at her school. She cycled 25 times around the perimeter of the school |


| WEEK 5 | OBJECTIVES | NON-STATUTORY GUIDANCE AND SUPPORT FOR |
| :--- | :--- | :--- |
| LEARNING |  |  |, | playground. The perimeter is 105.34 m. How far did she |
| :--- |
| travel? |
|  |


| WEEK 6 | OBJECTIVES | NON-STATUTORY GUIDANCE AND SUPPORT FOR |
| :---: | :--- | :--- |
| LEARNING |  |  |

