|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Bar Models are used throughout all strands within maths to ensure children confidence with the use of bar models.  Bar Models are also used on a 2 weekly cycle to support with children’s confidence. | | | | | | | |
|  | Year 1 | | Year 2 | Year 3 | Year 4 | Year 5 | | Year 6 |
| Addition | | **Combining two parts to make a whole; part part whole model**  **Start at the biggest number and counting on**  **Regrouping to make 10** | **Adding 3 single digits**  **Column method – no regrouping** | **Column method – regrouping**  **(up to 3 digits)** | **Column method – regrouping**  **(up to 4 digits)** | **Column method – regrouping**  **(with more than 4 digits)**  **(decimals with the same amount of places)** | **Column method – regrouping**  **(Decimals with different amounts of decimal places)** | |
| Subtraction | | **Take away ones**  **counting back**  **Find the difference**  **Part whole model**  **Make 10** | **Counting back**  **Find the difference**  **Part whole model**  **Make 10**  **Column method – no regrouping** | **Column method with regrouping**  **(up to 3 digits)** | **Column method with regrouping**  **(up to 4 digits)** | **Column method with regrouping**  **(with more than 4 digits)**  **(Decimals with the same amount of places)** | **Column method with regrouping**  **(Decimals with the same amount of places)** | |
| Multiplication | | **Doubling**  **Counting in multiples**  **Arrays (with support)** | **Doubling**  **Counting in multiples**  **Repeated addition**  **Arrays showing commutative multiplication** | **Counting in multiples**  **Repeated addition**  **Arrays – showing commutative multiplication**  **Short multiplication** | **Short multiplication**  **(2 and 3 digit multiplied by 1 digit)** | **Short multiplication**  **(up to 4 digit numbers multiplied by 1 or 2 digits)** | **Short multiplication**  **(multi digit up to 4 digits by a 2 digit number)** | |
| Division | | **Sharing objects into groups**  **Division as grouping** | **Division as grouping**  **Division with arrays** | **Division with a remainder**  **Short division (2 digits by 1 digit concrete and pictorial)** | **Division with a remainder**  **Short division (up to 3 digits by 1 digit concrete and pictorial)** | **Short division**  **(up to 4 digits by a 1 digit number interpret remainders appropriately for the context)** | **Short division**  **(up to 4 digits by a 2 digit number interpret remainders as whole numbers fractions or round)** | |