# Calculation policy: Guidance

| | EYFS/Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
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| Addition | Combining two parts to make a whole: part whole model.<br><br>Starting at the bigger number and counting on- using cubes.<br><br>Regrouping to make 10 using ten frame. | Adding three single digits.<br><br>Use of base 10 to combine two numbers. | Column method- regrouping.<br><br>Using place value counters (up to 3 digits). | Column method- regrouping.<br><br>(up to 4 digits) | Column method- regrouping.<br><br>Use of place value counters for adding decimals. | Column method- regrouping.<br><br>Abstract methods.<br><br>Place value counters to be used for adding decimal numbers. |
| Subtraction | Taking away ones<br><br>Counting back<br><br>Find the difference<br><br>Part whole model<br><br>Make 10 using the ten frame | Counting back<br><br>Find the difference<br><br>Part whole model<br><br>Make 10<br><br>Use of base 10 | Column method with regrouping.<br><br>(up to 3 digits using place value counters) | Column method with regrouping.<br><br>(up to 4 digits) | Column method with regrouping.<br><br>Abstract for whole numbers.<br><br>Start with place value counters for decimals- with the same amount of decimal places. | Column method with regrouping.<br><br>Abstract methods.<br><br>Place value counters for decimals- with different amounts of decimal places. |

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| Multiplication | Recognising and making equal groups.<br><br>Doubling<br><br>Counting in multiples Use cubes, Numicon and other objects in the classroom | Arrays- showing commutative multiplication | Arrays<br><br>2d × 1d using base 10 | Column multiplication- introduced with place value counters.<br><br>(2 and 3 digit multiplied by 1 digit) | Column multiplication<br><br>Abstract only but might need a repeat of year 4 first(up to 4 digit numbers multiplied by 1 or 2 digits) | Column multiplication<br><br>Abstract methods (multi-digit up to 4 digits by a 2 digit number) |
| Division | Sharing objects into groups<br><br>Division as grouping e.g. I have 12 sweets and put them in groups of 3, how many groups?<br><br>Use cubes and draw round 3 cubes at a time. | Division as grouping<br><br>Division within arrays- linking to multiplication<br><br>Repeated subtraction | Division with a remainder-using lollipop sticks, times tables facts and repeated subtraction.<br><br>2d divided by 1d using base 10 or place value counters | Division with a remainder<br><br>Short division (up to 3 digits by 1 digit- concrete and pictorial) | Short division<br><br>(up to 4 digits by a 1 digit number including remainders) | Short division<br><br>Long division with place value counters (up to 4 digits by a 2 digit number)<br><br>Children should exchange into the tenths and hundredths column too |