**Year 1 Rubric: Four Operations**

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|  | **Uses effective written methods to add and subtract whole numbers** | **Uses effective mental methods to add and subtract whole numbers** |
| **Developing (Phase 1-2)** | **Addition**I can add whole numbers using materials* Use materials to add 2 single digit numbers with recording
* Add whole numbers by using the largest number first and counting on using single digits

**Subtraction*** Use materials to subtract 2 single digit numbers with recording

Practically identify odd and even numbers using manipulatives | **Addition*** Add mental combinations of 2 single digit numbers (counting on)
* Add whole numbers by using the largest number first and counting on using single digits
* Recall double numbers to 5+ 5

**Subtraction*** Subtract mental combinations of 2 single digit numbers (counting back)
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|  | **Uses effective written methods to add and subtract whole numbers** | **Uses effective mental methods to add and subtract whole numbers** |
| **Meets Expectations (Phase 2)** | **Addition**I can add whole numbers using materials* Use materials to add a 2 digit number to a single digit with recording

**Subtraction**I can subtract whole numbers using materials* Use materials to subtract a single digit number from a 2 digit number with recording
 | **Addition*** Add mental combinations of a 2 digit number to a single digit
* Add whole numbers by using the largest number first and counting on using 2 digit numbers
* Recall double numbers to 10 + 10
* I can add whole numbers by using a part whole strategy

Use ten facts to solve basic problems, e.g. 8 +4 = 12 so 8 + 2 = 10 + 2 = 12 |
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| **Year 1 Rubric: Four operations** |
|  | **Uses effective written methods to add and subtract whole numbers** | **Uses effective mental methods to add and subtract whole numbers** | **Can model mental and written methods to multiply whole numbers.** | **Can model the relationship between multiplication and division.** |
| **Exceeds Expectations (Phase 1-2)** | AdditionUse the language and symbols of addition (add, plus, sum, total equals)Can add numbers up to 20 using* Number lines
* Tens frames

Uses materials to add numbers up to 20 showing recordingCan bundle objects into groups of 10 to support addition.Solve simple single digit addition problemsSubtractionUse the language and symbols of Subtraction (takeaway, minus, difference, less, subtract, total equals)Can subtract numbers from 20 using* Number lines
* Tens frames

Uses materials to subtract numbers from 20 showing recordingIs beginning to regroup objects from groups of 10 to support subtraction.Solve simple single digit subtraction problems | Recalls number bonds to 10Recalls doublesUnderstands addition can be done in any order.Solve one step addition (joining) problem with answers up to 20, by counting all the objects in their head (by imaging)4+3=□, 8+5=□, 16+2=□,Solve one step subtraction (take away) problems, with the starting numbers up to 20, by counting all the objects in their head (by imaging)5-3=□, 10-3=□, 13-4=□ | Recognise and make groups of the same numberCan explain in terms of “groups of” | Groups and shares collections of objects equallyCan explain in terms of “equal shares” |