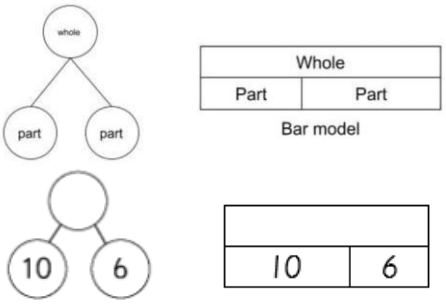
# Year 2
# Number and Calculation Vocabulary

## Addition

add, more, plus, make, **addend**, **sum**, total, altogether, quantity, represents, equal, is the same as, double, equivalent to, parts, whole, **partitioning**, **part-part-whole model**, calculation, **operation**, **expression**, **equation**, **number bond**, **commutative**, **inverse**, **bridging ten**, **bridging multiples of ten**

| Specific Vocabulary | Definition | Example |
|---|---|---|
| addend | A number to be added to another – each one represents a part. | 4 + 3 = 7 |
| sum | The result of one or more additions. | 4 + 3 = 7 |
| partitioning | 'Breaking' a number into parts to make calculating easier.<br><br>When adding 2-digit numbers, children are taught to partition into **tens** and **ones**, then recombine. | **Partitioning both addends**<br>26 + 37<br>20 6 30 7<br>20 + 30 = 50<br>6 + 7 = 13<br>50 + 13 = 63<br><br>**Partitioning one addend**<br>26 + 37<br>30 7<br>26 + 30 = 56<br>56 + 7 = 63 |
| part-part-whole model<br><br>addition as aggregation | A model to show that a whole number can be split into parts. Addition can be used to find the missing whole.<br><br>Children use the 'cherry' part-part-whole model and the bar model. |  |
| operation | A way to combine or transform numbers. The four main operations are adding, subtracting, multiplying, and dividing. | + − × ÷ |
| expression | A mathematical statement with no equals symbol. Think of an expression as a 'math phrase'. | 27 + 13 |
| equation | A full 'maths sentence' with an equals symbol to show that two things are equal. Think of an equation as a balance scale: both sides need to be equal for it to work. | 27 + 13 = 40<br>15 + 15 + 10 = 40 |

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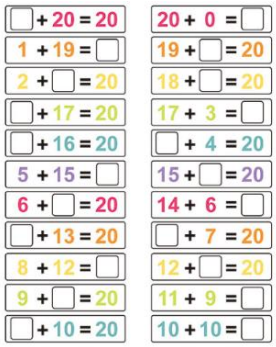
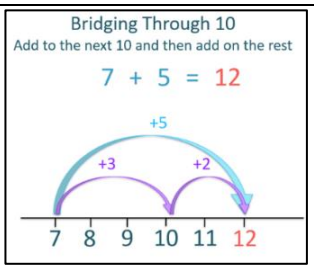
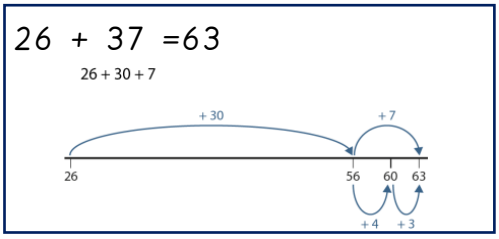
|---|---|---|
| number bond | Pairs of numbers that can be added together to make a specific 'whole' number. |  |
| commutative | Numbers can be added in any order. If the order of the **addends** changes, the **sum** remains the same. | 24 + 11 = 35 \| 35 = 24 + 11<br>11 + 24 = 35 \| 35 = 11 + 24 |
| inverse | An opposite **operation** that reverses a previous operation.<br>Addition and subtraction are inverse operations. | 19 - 6 = 13 \| 13 + 6 = 19 |
| bridging ten<br><br>bridging multiples of ten | A maths strategy which involves children using their knowledge of addition up to ten as a base to then work out **sums** with totals over ten.<br><br>In Year 2 children also are encouraged to use this strategy when adding 2-digit numbers, by bridging multiples of ten. |  <br>  |