
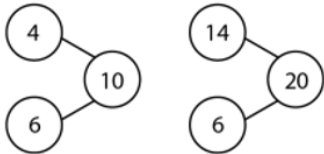
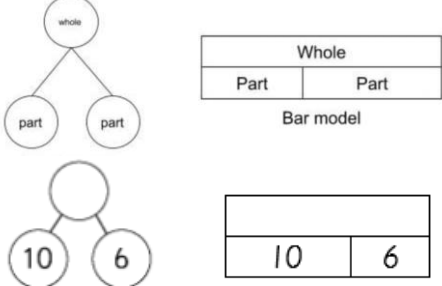



| <b>Addition</b>                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| add, more, plus, make, <b>addend</b> , <b>sum</b> , total, altogether, quantity, represents, <b>First..., Then..., Now... story</b> , equal, is the same as, double, equivalent to, parts, whole, <b>partitioning</b> , <b>part-part-whole model</b> , calculation, <b>operation</b> , <b>expression</b> , <b>equation</b> , <b>number bond</b> , <b>commutative</b> , <b>inverse</b> , <b>bridging through ten</b> |                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                            |
| <b>Specific Vocabulary</b>                                                                                                                                                                                                                                                                                                                                                                                          | <b>Definition</b>                                                                                                                                                                                                                                                                                     | <b>Example</b>                                                                                                                                                                                                                                             |
| <i>addend</i>                                                                                                                                                                                                                                                                                                                                                                                                       | A number to be added to another – each one represents a part.                                                                                                                                                                                                                                         | <b>4 + 3 = 7</b>                                                                                                                                                                                                                                           |
| <i>sum</i>                                                                                                                                                                                                                                                                                                                                                                                                          | The result of one or more additions.                                                                                                                                                                                                                                                                  | <b>4 + 3 = 7</b>                                                                                                                                                                                                                                           |
| <i>First... Then... Now... story</i><br><br>addition as augmentation                                                                                                                                                                                                                                                                                                                                                | A calculation story to help children understand numbers in a meaningful context. A narrative structure represents the change in a group of objects over time: <b>First</b> describes the initial quantity, <b>Then</b> details an action (like adding more), and <b>Now</b> shows the final quantity. |  <p style="text-align: center;"><b>First</b> 4 people were on the bus.<br/><b>Then</b> 3 more people got on the bus.<br/><b>Now</b> there are 7 people on the bus.</p> |
| <i>partitioning</i>                                                                                                                                                                                                                                                                                                                                                                                                 | 'Breaking' a number into parts to make calculating easier.                                                                                                                                                                                                                                            |                                                                                                                                                                       |
| <i>part-part-whole model</i><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 mainly use the 'cherry' part-part-whole model in Year 1 and may also be introduced to the bar model.                                                                     |                                                                                                                                                                       |
| <i>operation</i>                                                                                                                                                                                                                                                                                                                                                                                                    | A way to combine or transform numbers. The four main operations are adding, subtracting, multiplying, and dividing.                                                                                                                                                                                   |                                                                                                                                                                       |
| <i>expression</i>                                                                                                                                                                                                                                                                                                                                                                                                   | A mathematical statement with no equals symbol. Think of an expression as a 'math phrase'.                                                                                                                                                                                                            | <b>7 + 3</b>                                                                                                                                                                                                                                               |



# Year 1

## Number and Calculation Vocabulary

|                                    |                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><i>equation</i></p>             | <p>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.</p> | $7 + 3 = 10$ $5 + 2 + 3 = 10$                                                                                                                                                                                                                                                                                                                                 |
| <p><i>number bond</i></p>          | <p>Pairs of numbers that can be added together to make a specific 'whole' number.</p>                                                                                        | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Number bonds to 5</p> </div> <div style="text-align: center;"> <p>Number bonds to 10</p> </div> </div>                                                                                                                                                       |
| <p><i>commutative</i></p>          | <p>Numbers can be added in any order. If the order of the <b>addends</b> changes, the <b>sum</b> remains the same.</p>                                                       | $4 + 1 = 5 \quad 5 = 4 + 1$ $1 + 4 = 5 \quad 5 = 1 + 4$                                                                                                                                                                                                                                                                                                       |
| <p><i>inverse</i></p>              | <p>An opposite <b>operation</b> that reverses a previous operation. Addition and subtraction are inverse operations.</p>                                                     | $2 + 3 = 5$ $5 - \square = 2$                                                                                                                                                                                                                                                                                                                                 |
| <p><i>bridging through ten</i></p> | <p>A maths strategy which involves children using their knowledge of addition up to 10 as a base to then work out <b>sums</b> with totals over 10.</p>                       | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <math>7 + 5 = \square</math> <math>\frac{7}{10} + \frac{3}{2} = 10</math> <math>\frac{10}{10} + \frac{2}{2} = 12</math> </div> <div style="text-align: center;"> <math>4 + 9 = \square</math> <math>\_ + \_ = \_</math> <math>\_ + \_ = \_</math> </div> </div> |