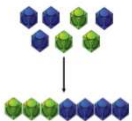
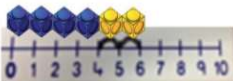
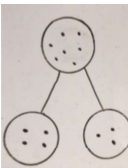
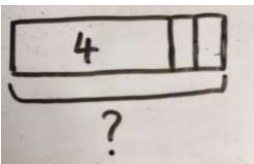
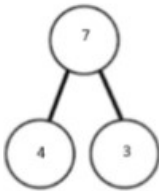


## Calculation Policy

### EYFS Addition

|      | Mental Strategies                                                                                                                                                                     | Concrete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Pictorial                                                                                                                                                                                                                                                                                                                                                                       | Abstract                                                                                                                                                                                                                                                                                                                                                                                               | Vocabulary                                                                                                                                                                                                   | Models, Images and resources                                                                                                                                                                                          |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EYFS | <p>Numicon shapes are introduced straight away and can be used to :</p> <p>Identify 1 more/less</p> <p>Combine pieces to add</p> <p>Find number bonds</p> <p>Add without counting</p> |  <p>Combining two parts to make a whole (use other resources too e.g. eggs, shells, teddy bears, cars).</p>  <p>Counting on using number lines using cubes or Numicon.</p>                                                                                                                                                                                                                                                                                                                                                                                       | <p>Children to represent the cubes using dots or crosses. They could put each part on a part whole model too.</p>  <p>A bar model which encourages the children to count on, rather than count all.</p>  | <p><math>4 + 3 = 7</math></p> <p>Four is a part, 3 is a part and the whole is seven.</p>  <p>The abstract number line: What is 2 more than 4? What is the sum of 2 and 4? What is the total of 4 and 2? <math>4 + 2</math></p>  | <p>Add<br/>More<br/>And<br/>Make<br/>Sum<br/>Total<br/>Altogether<br/>Score<br/>Double<br/>One more,<br/>two more,<br/>ten more</p> <p>How many more to make ....?</p> <p>How many more is ... than ...?</p> | <p>100 square</p> <p>Number lines</p> <p>Number tracks</p> <p>Bead strings ( for children )</p> <p>Bead bar</p> <p>Tens Frame</p> <p>Numicon</p> <p>Place Value Disks</p> <p>Cuisenaire</p> <p>Base tens and ones</p> |
|      | Useful IWB links for manipulatives                                                                                                                                                    | <a href="https://www.coolmath4kids.com/manipulatives/base-ten-blocks">https://www.coolmath4kids.com/manipulatives/base-ten-blocks</a><br><a href="https://mathsbot.com/manipulatives/placeValueCounters">https://mathsbot.com/manipulatives/placeValueCounters</a><br><a href="https://mathsbot.com/manipulatives/bar">https://mathsbot.com/manipulatives/bar</a><br><a href="https://classroomsecrets.co.uk/free-year-1-part-whole-model-iwb-addition-and-subtraction-activity/">https://classroomsecrets.co.uk/free-year-1-part-whole-model-iwb-addition-and-subtraction-activity/</a><br><a href="https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Ten-Frame/">https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Ten-Frame/</a><br><a href="http://www.ictgames.com/mobilePage/tenFrame/index.html">http://www.ictgames.com/mobilePage/tenFrame/index.html</a> |                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                              |                                                                                                                                                                                                                       |