

## Cuisenaire Prompts- Addition and Subtraction

Year Group: Year 1

These are suggested half termly 'steps' to achieve - alongside these the free play, games, problem solving, staircases etc. **must** continue. They are a guide - by the end of the year - and some children may not learn exactly in this order, they are not a checklist, or a 'teaching point' but will develop a good level of mathematical understanding.

| I can...                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               | NC Objectives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>I know by heart 2 rods that equal the length of the orange rod by number name verbally and can record.<br/>-Record by colours (O, W and Bl, R and Br, LG and Bla, P and DG, Y and Y)</li> <li>- Record by numbers (0 and 10, 1 and 9, 2 and 8, 3 and 7, 4 and 6, 5 and 5)</li> <li>I can find 2 rods that are equal to another rod (e.g. brown and white = blue, red and light green = yellow)</li> </ul> |                               | <ul style="list-style-type: none"> <li>given a number, identify one more and one less</li> <li>identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li> </ul>                                                                                                                                                                                                                               |
| <ul style="list-style-type: none"> <li>I know by heart the story of 2, 3, 4 and 5 and the switcher -</li> </ul>                                                                                                                                                                                                                                                                                                                                  |                               | <ul style="list-style-type: none"> <li>read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>represent and use number bonds and related subtraction facts within 20</li> <li>add and subtract one-digit and two-digit numbers to 20, including zero</li> <li>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \_ - 9</math></li> </ul> |
| Addition                                                                                                                                                                                                                                                                                                                                                                                                                                         | Subtraction - finding the gap |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Story of 2                                                                                                                                                                                                                                                                                                                                                                                                                                       | Story of 2                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Story of 3                                                                                                                                                                                                                                                                                                                                                                                                                                       | Story of 3                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Story of 4                                                                                                                                                                                                                                                                                                                                                                                                                                       | Story of 4                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Story of 5                                                                                                                                                                                                                                                                                                                                                                                                                                       | Story of 5                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>I can find the story of 6, 7, 8 and 9 and the switcher</li> </ul>                                                                                                                                                                                                                                                                                                                                         |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Addition                                                                                                                                                                                                                                                                                                                                                                                                                                         | Subtraction - finding the gap |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Story of 6                                                                                                                                                                                                                                                                                                                                                                                                                                       | Story of 6                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Story of 7                                                                                                                                                                                                                                                                                                                                                                                                                                       | Story of 7                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Story of 8                                                                                                                                                                                                                                                                                                                                                                                                                                       | Story of 8                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Story of 9                                                                                                                                                                                                                                                                                                                                                                                                                                       | Story of 9                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>• I know by heart the story of 2, 3, 4 and 5 fact families - record with numbers and letters</li> </ul>                           | <ul style="list-style-type: none"> <li>• read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>• represent and use number bonds and related subtraction facts within 20</li> <li>• add and subtract one-digit and two-digit numbers to 20, including zero</li> <li>• solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \underline{\quad} - 9</math></li> </ul> |
|  | <ul style="list-style-type: none"> <li>• I know by heart the story of 6, 7, 8 and 9 fact families - record with numbers and letters</li> </ul>                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | <ul style="list-style-type: none"> <li>• I can make a teens number</li> </ul>                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | <ul style="list-style-type: none"> <li>• I can add crossing 10 within 20 (using rods)</li> </ul>                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | <ul style="list-style-type: none"> <li>• I can find the gap crossing 10 within 20 (using rods)</li> </ul>                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | <ul style="list-style-type: none"> <li>• I can add crossing 10 within 20 (using rods and record <math>6 + 7 = 13</math>, dg + black = orange and lg)</li> </ul>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | <ul style="list-style-type: none"> <li>• I can find the gap crossing 10 within 20 (using rods and record <math>13 - 6 = 7</math>, orange and lg - dg = black)</li> </ul> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | <ul style="list-style-type: none"> <li>• I can add crossing 10 within 20 (mentally)</li> </ul>                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | <ul style="list-style-type: none"> <li>• I can find the gap crossing 10 within 20 (mentally)</li> </ul>                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |