### Transition: Emergent to One to One Counting (CA)  Domain: Addition and Subtraction

#### Key Teaching Ideas

**Symbols/words for numbers in the range 1-10 are identified (Key Idea #1)**

<table>
<thead>
<tr>
<th>Number and Algebra: Level One</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number Strategies:</strong></td>
</tr>
<tr>
<td>- Use a range of counting, grouping, and equal-sharing strategies with whole numbers and fractions</td>
</tr>
<tr>
<td><strong>Number Knowledge:</strong></td>
</tr>
<tr>
<td>- Know the forward and backward counting sequences of whole numbers to 100.</td>
</tr>
<tr>
<td>- Know the groupings with five, within ten, and with ten.</td>
</tr>
</tbody>
</table>

#### Key Teaching Ideas

<table>
<thead>
<tr>
<th>Key Teaching Ideas</th>
<th>Example Problems</th>
<th>References</th>
<th>Knowledge being developed</th>
<th>Resources</th>
</tr>
</thead>
</table>
| **Symbols/words for numbers in the range 1-10 are identified (Key Idea #1)** | How many things are here...? 3, 6, 5, 9, 4, 8, 10, 7 How may things are here...? (two collections) 2 and 1, 3 and 2, 1 and 4, 3 and 3, 5 and 2, 2 and 2, 5 and 5, 3 and 4 | **Teaching Addition, Subtraction, and Place Value (Book 5)**
Lucky Dip (11)
Number Mat and Lily Pads (11)
Pipe Cleaner Numbers (11)
BSM
2-1-5, 3-1-3, 3-1-4, 3-1-5, 3-1-44, 3-1-45, 3-1-46, 3-1-47, 3-1-48, 3-1-49, 3-1-82, 3-3-48, 3-3-49, 4-1-23, 4-3-21, 4-3-44, 4-3-46, 5-1-7. | Identify all of the numbers in the range 0–10. | Teaching Number Knowledge (Book 4)
Number Mat and Lily Pads (2)
Tens Frames (2)
Pipe Cleaner Numbers (4)
Number Fans (4) |

- BSM
2-1-23, 2-1-41, 2-1-42, 2-1-82, 2-3-6, 2-3-82, 3-1-7, 3-1-23, 3-3-6, 3-3-7, 3-3-46, 4-1-3, 4-1-4, 4-1-6, 4-1-43, 4-1-4, 4-1-46, 4-1-49, 4-1-50, 4-1-82, 4-1-83, 4-3-8, 4-3-9

**The number word sequence for numbers in the range 1-10 is said accurately (Key Idea #2)**

<table>
<thead>
<tr>
<th>Example Problems</th>
<th>References</th>
<th>Knowledge being developed</th>
<th>Resources</th>
</tr>
</thead>
</table>
| “One, two, three, four...” | **Teaching Addition, Subtraction, and Place Value (Book 5)**
Counting as We Go (12)
How Many Now? (12)
Loud and Soft (12)
Clapping (12)
Walk the Bridge (13) | Instantly recognise patterns to five, including finger patterns. | Teaching Number Knowledge (Book 4)
Fabulous Fives (22) |

#### References

- **Teaching Addition, Subtraction, and Place Value (Book 5)**
- Lucky Dip (11)
- Number Mat and Lily Pads (11)
- Pipe Cleaner Numbers (11)
- BSM
- 2-1-5, 3-1-3, 3-1-4, 3-1-5, 3-1-44, 3-1-45, 3-1-46, 3-1-47, 3-1-48, 3-1-49, 3-1-82, 3-3-48, 3-3-49, 4-1-23, 4-3-21, 4-3-44, 4-3-46, 5-1-7.

© 2013 Crown Copyright  Numeracy Development Projects
## Transition: Emergent to One to One Counting (CA)  
**Domain:** Addition and Subtraction

<table>
<thead>
<tr>
<th>Key Teaching Ideas</th>
<th>Problem progression</th>
<th>References</th>
<th>Knowledge being developed</th>
<th>Resources</th>
<th>ECA</th>
</tr>
</thead>
</table>
| The symbols/words for numbers in the range 1-10 are matched to the number of objects in the set. (Key Idea #3) | Form a set of... 3, 5, 10, 7, 4, 8, 6, 11, 13 | *Teaching Addition, Subtraction, and Place Value (Book 5)*  
*Match it Up* (13)  
*Caterpillar Legs* (13)  
*Petals and Flower Centres* (14)  
*Feed the Elephants* (14)  
*Birthday Cakes* (14) | Say the forward and backward number word sequences in the range 0-10. | *Teaching Number Knowledge (Book 4)*  
*Counting* (11)  
*Number Line Flips* (15)  
**BSM**  
2-1-1, 2-1-2, 2-1-4, 2-1-21, 2-1-84, 2-3-8, 2-3-24, 3-1-2, 3-1-21, 3-1-22, 3-3-22, 4-1-48, | | |
| The sequence of numbers in the range 1-10 is ordered correctly (Key Idea #4)       | “Two comes after one then three, and then four comes next...” | *Teaching Addition, Subtraction, and Place Value (Book 5)*  
*Before and After* (14)  
*Ordering Numerals* (15)  
*Up or Down* (15)  
*How Many Beans* (15)  
**BSM**  
Making a Series to Nine 6-3-3 (8) | Say the number before and after a given number in the range 0–10. |  | |
| Patterns for numbers 1-5 are recognised instantly (Key Idea #5)                    | How many fingers?  
How many dots on the dice?  
How many dots on the five frame?  
How many beads on the abacus? | *Teaching Addition, Subtraction, and Place Value (Book 5)*  
*Patterns to Five, then Ten* (15)  
*Fabulous Fives* (16)  
**BSM**  
How Many Different Sets of Five Can You Make? 5-3-54 (34) | Order the numbers in the range 0-10. |  | |

© 2013 Crown Copyright  
Numeracy Development Projects  
2