**Transition: Counting from One (CA) to Advanced Counting Domain: Multiplication and Division**

E

CA

AC

EA

AA

AM

AP

|  |  |
| --- | --- |
| **Achievement Objectives** | **Number: Level 1** |
| Number Strategies AO1:Use a range of counting, grouping, and equal-sharing strategies with whole numbers and fractionsNumber Knowledge AO1:Know the forward and backward counting sequences of whole numbers to 100. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Strategies being developed** | **Problem progression** | **References** | **Knowledge being developed** | **Resources** |
| Solve multiplication problems using skip counting in twos, fives, and tens. | 42 as 2, 4, 6, 872 as 2, 4, 6, 8,10,12,1435 as 5, 10, 1585 as 5,10,15,20,25,30,35,40610 as 10,20,30,40,50,6054 as 2,4,6,8,10,12,14,16,18,20, or 5, 10, 15, 20 | ***Teaching Multiplication and Division (Book6)***Introduction (7-8) [Number Strips](https://nzmaths.co.nz/node/885) (8-10) ***BSM***11-3-54, 11-3-55 | Say the forwards and backwards skip-counting sequences in the range 0-100 for twos, fives, and tens. | ***Teaching Number Knowledge (Book 4)***Counting (11)[Skip-counting on the Number Line](https://nzmaths.co.nz/node/1055) (11)[Beep](https://nzmaths.co.nz/node/1056) (12)[Using Calculators](https://nzmaths.co.nz/node/1059) (14)***BSM***10-1-4, 10-1-44, 10-1-43 |
| Solve division problems by equal sharing in ones, twos and fives. | 102 = 5, 20  4 = 5,142 = 7, 9  3 = 3124 = 3, 15  3 = 5255 = 5, 16  4 = 4 | ***Teaching Multiplication and Division (Book 6)***[Twos, Fives, and Tens](https://nzmaths.co.nz/node/926) (21-23) | Recall groupings of twos that are in numbers up to 20 | ***Teaching Number Knowledge (Book 4)***[Beep](https://nzmaths.co.nz/node/1056) (12)***BSM***8-1-8, 8-1-50, 9-3-10, 9-3-53 |