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

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CA

AC

EA

AA

AM

AP

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

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| **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, 8  72 as 2, 4, 6, 8,10,12,14  35 as 5, 10, 15  85 as 5,10,15,20,25,30,35,40  610 as 10,20,30,40,50,60  54 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 = 3  124 = 3, 15  3 = 5  255 = 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 |