**Transition: Advanced Counting to Early Additive Domain: Ratios and Proportions**

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| **Achievement Objectives** | **Number: Level Two** |
| Number Strategies AO1:Use simple additive strategies with whole numbers and fractions.Number Knowledge AO4:Know simple fractions in everyday use. |

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| **Strategies being developed** | **Problem progression** | **References** | **Knowledge being developed** | **Resources** |
| Find a unit fraction of a set using addition facts, particularly doubles, e.g. 1/4 of 16 is 4 using 1/2 of 16 is 8. | 1/2 of 18 = 🞏1/4 of 12 = 🞏1/4 of 20 = 🞏1/8 of 24 = 🞏1/3 of 15 = 🞏1/5 of 25 = 🞏 | ***Teaching Fractions, Decimals and Percentages (Book 7)***Introduction (4-10,15)[Animals](https://nzmaths.co.nz/node/921) (18-20)[Hungry Birds](https://nzmaths.co.nz/node/920) (22-24)***BSM*** 12-3-49, 12-3-50***Figure It Out***N 2.1 [Flipping Fractions](https://nzmaths.co.nz/node/3069) (17)N.2.1 [Dazzler Digs On](https://nzmaths.co.nz/node/3072) (19)N2.1 [Cooking Up a Storm](https://nzmaths.co.nz/node/3073) (20)N2.2 [Tummyache](https://nzmaths.co.nz/node/3094) (20)N2.2 [Finding Fractions](https://nzmaths.co.nz/node/3097) (24)N2-3 [Flitting with Fractions](https://nzmaths.co.nz/node/3134) (21) | Identify the symbols for halves, quarters, thirds, fifths, and tenths including fractions greater than 1. | ***Teaching Number Knowledge (Book 4)***[Fraction Pieces](https://nzmaths.co.nz/node/1044) (6)[Creating Fractions](https://nzmaths.co.nz/node/1045) (6)[More Geoboard Fractions](https://nzmaths.co.nz/node/1046) (7)[Non-Unit Fractions](https://nzmaths.co.nz/node/1047) (7)***BSM***12-3-51, 12-3-8312-3-84***Figure It Out***N2.1 [Puzzling Shapes](https://nzmaths.co.nz/node/3074) (21) |

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| **Strategies being developed** | **Problem progression** | **References** | **Knowledge being developed** | **Resources** |
| Find unit fractions of a continuous region, like a length or area, using halving. | Find:One half of a length or area, e.g. circle, length rectangle, One quarter, One eighth.One third, one fifth of a rectangle or length | ***Teaching Fractions, Decimals and Percentages (Book 7)***[Wafers](https://nzmaths.co.nz/node/952) (16-18)***Figure It Out***N2.1 (21) [Puzzling Shapes](https://nzmaths.co.nz/node/3074)N2-3 (17) [Circle Segment](https://nzmaths.co.nz/node/3126)N2-3 (18) [Fabulous Folding](https://nzmaths.co.nz/node/3127)N2-3 (19) [Getting in Shape](https://nzmaths.co.nz/node/3132) | Order fractions with like denominators, e.g. 1/4. and 2/4.. | ***Teaching Number Knowledge (Book 4)***[Fraction Pieces](https://nzmaths.co.nz/node/1044) (6) |
| Order unit fractions and fractions with the same denominator and explain why they are larger or smaller | Which is bigger? Why? or , or , or , or , or , or . or , or , or . | ***Teaching Fractions, Decimals and Percentages (Book 7)***[Fraction Circles](https://nzmaths.co.nz/node/927) (20-22) |  |  |
| Order fractions visually using materials, including improper fractions like 5/3 and 7/4, and explain what the numerator and denominator mean. | Make each pair of fractions. Which is bigger?  or , or , or , or , or , or . | ***Teaching Fractions, Decimals and Percentages (Book 7)***[Fraction Circles](https://nzmaths.co.nz/node/927) (20-22) |  |  |