

Learning plan

Term _____ Week _____

Developing Multiplication and division concepts

Where are they now?	Level 1: Forming equal groups MAe- 6NA	Level 2: Perceptual multiples MAe- 6NA	Level 3: Figurative units MA1- 6NA, MA1- 8NA	Level 4: Repeated abstract composite units MA1- 6NA, MA2- 6NA, MA1- 8NA, MA2- 8NA	Level 5: Multiplication & division as operations MA2- 6NA, MA2- 8NA
Students					
Where to next?	MAe- 6NA Use items to form or share equal groups. Find the total of the groups through rhythmic, skip or double counting when the items are visible.	MA1- 6NA, MA1- 8NA Use perceptual markers to represent each group, prior to counting. Counts forwards or backwards using multiples (or a combination of multiples and rhythmic counting).	MA1- 6NA, MA2- 6NA, MA1- 8NA, MA2- 8NA Use repeated addition & subtraction a specified number of times. Count in multiples. May use fingers to keep track of the number of groups.	MA2- 6NA, MA2- 8NA Recall a wide range of M&D facts. Use M&D as inverse operations flexibly in problem solving. Explain the unit structure in a range of contexts (e.g area multiplication tasks). Solve remainder problems.	MA3- 4NA, MA3- 6NA, MA3- 8NA Multiply 3-digit numbers by a 1-digit number mentally. Divide 3-digit numbers by a 1-digit number mentally. Use mental strategies to multiply or divide a number by 100 or a multiple of 10. Explore prime and composite numbers.
Teaching resources and activities	<p>Sample units of work p.25 Staircases pp.47–49, p.61 p.50 Popsticks in cups p.51 Leftovers</p> <p>DENS Stage 1 pp.124–133, pp.188–203, pp.269–277</p> <p>DENS Stage 2 pp.94–107</p> <p>TOWN website resources Activities: Notebook – M&D activities: Counter groups</p>	<p>Sample units of work p.50 Handful of money, Hidden groups p.92 Part A</p> <p>DENS Stage 1 pp.122–123 Mail sort</p> <p>DENS Stage 2 pp.204–205, pp.208–209,</p> <p>CMIT Learning object Arrays</p> <p>TOWN website resources Lesson plan Partially covered areas Activities: Notebook – M&D activities: Canisters Mats</p>	<p>Sample units of work p.92 Table races</p> <p>DENS Stage 2 pp.198–203, pp.206–207</p> <p>TOWN website resources Activities: Notebook – M&D activities: Multiple jumps</p>	<p>Sample units of work p.91Part B, Multiplication grid pp.93–97</p> <p>DENS Stage 2 pp.252–283</p> <p>CMIT Learning object Remainders count</p> <p>TOWN website resources Lesson plan Structuring sevens Activities: Salute Notebook – M&D activities: Squaresaw</p>	<p>Sample units of work Comparing mental and written, Factor game, Mixed operations, Number Patterns pp.122–125</p> <p>Counting On Multo pp.177-178 Games for M&D pp.179-180 Using Multo to assess student understanding pp.217-219</p> <p>TOWN website resources Lesson plan Licorice machine</p> <p>Activities: Easy divisions Easy multiplications Make 24</p>