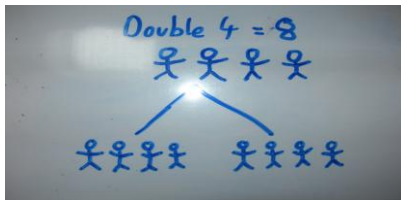


Melling Primary School Calculations Progressions

MULTIPLICATION

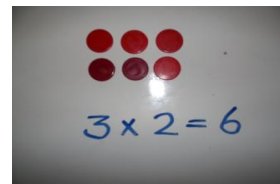
1)

Doubles up to 10



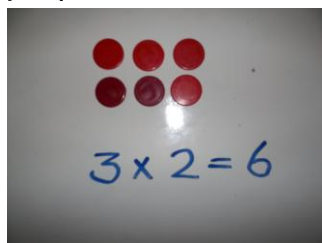
2)

Using arrays up to 20



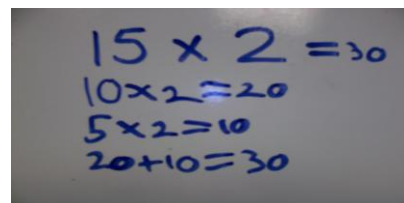
3)

Using arrays up to 50



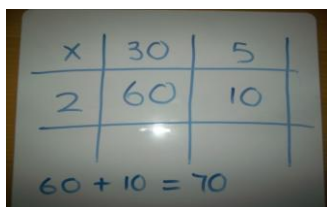
4)

Partitioning x by 2, 3 and 5 up to 100



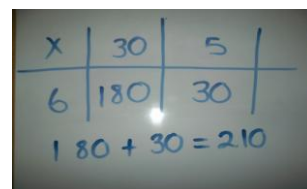
5)

Simple grid method TU x U using x2, x3, x4, x5



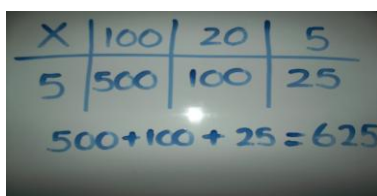
6)

Grid method TU x U using x2, x3, x4, x5, x6 x8



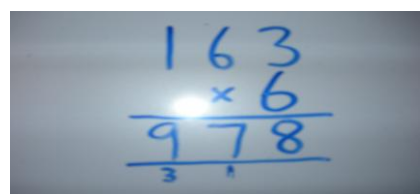
7)

Simple grid method using HTU x U using all tables



8)

Multiply 2 and 3 digits by a single digit



9)

Multiply a 3-digit number by 2-digit number

A handwritten multiplication problem on a whiteboard. The number 236 is written above 35. A horizontal line is drawn under 35. Below the line, the first partial product is 1180, with a small '3' written above the 8. The second partial product is 7080, with a small '2' written above the 8. A final horizontal line is drawn under 7080, and the result 8260 is written below it.

10)

Multiply a 4-digit number by a 2-digit number

A handwritten multiplication problem on a whiteboard. The number 6425 is written above 34. A horizontal line is drawn under 34. Below the line, the first partial product is 25700, with a small '2' written above the 7. The second partial product is 192750, with a small '6' written above the 7. A final horizontal line is drawn under 192750, and the result 218450 is written below it.

11)

Multiply a number with 2d.p. by a single digit

A handwritten multiplication problem on a whiteboard. The number 16.27 is written above 4. A horizontal line is drawn under 4. Below the line, the result 65.08 is written. There are small '2' marks under the 2 and 8 in the result, and a small '1' under the 5.