<u>Home learning - Session 4</u>

Fluency 15 - Year 5 expected standard

Focus learning: long multiplication

| 1 | Write the numbers above each other in the correct columns. | × | 1 | 5 2 | 4 6 |
|---|---|-----------|--------|-------------|-------------|
| 2 | First, multiply the ones in the three-digit number by the ones in the two-digit number. 4 ones × 6 ones = 24 ones = 2 tens and 4 ones | × | 1 | 2 5 2 | 4 6 4 |
| | Write 4 in the answer section and regroup the 2 tens by writing 2 above the tens column. | | | | - |
| 3 | Next, multiply the tens in the three- digit numbers by the ones digits in the two-digit number and add any regrouped tens. | | 3 1 | 2 5 | 4 |
| | 5 tens × 6 = 30 tens + 2 tens = 32 tens = 3 hundreds and 2 tens | × | | 2 2 | 6 4 |
| | Write 2 in the answer section and regroup the 3 hundreds by writing 3 above the hundreds column. | | | | |
| 4 | Finally, multiply the hundreds in the three-digit numbers by the ones | | 3 | 2 | |
| | digits in the two-digit number and add any regrouped hundreds. | × | 1 | 5 2 | 4 6 |
| | 1 hundred × 6 = 6 hundreds + 3 hundreds = 9 hundreds | | 9 | 2 | 4 |
| | Write 9 in the answer section. | <u>12</u> | | | |

| 5 | Cross out any previous regroup | ings. |
|---|--|---|
| | In the next section, multiply th in the three-digit number by th in the two-digit number | |
| | Because the calculation involve multiplying by 20, a zero needs placed in the right-hand colum place holder. | s to be |
| | 4 ones × 2 tens = 8 tens | |
| | Write 8 in the answer section. | |
| 6 | Multiply the tens in the three-digi number by the tens in the two-dig number and add any regrouped hundreds. | |
| | 5 tens × 2 tens = 1 thousand | 924 |
| | Write 0 in the answer section and regroup the 1 thousands by writin 1 above the thousands column. | |
| 7 | Multiply the hundreds in the three-digit number by the tens in the two-digit number and add any regrouped thousands. | 1 <i>x x</i> 1 5 4 × 2 6 |
| | 1 hundred × 2 tens = 2 thousands + 1 thousand = 3 thousands | 9 2 4 3 0 8 0 |
| | Write 3 in the answer section. | |
| 8 | Combine the totals using regrouping if required. | 1 3 2 1 5 4 |
| 9 | 154 × 26 = 4004 | × 2 6 9 2 4 3 0 8 0 4 0 0 4 1 1 1 |