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| **WALT 2: Use short multiplication to multiply 2 and 3 digit numbers**  | Teacher |  |
| **1** | I can use short multiplication to multiply 2 and 3 digit numbers by 1 digit including carrying into the tens (Step 1)  |
| **2** | I can use short multiplication to multiply 3 digit numbers by 1 digit including carrying into the tens and hundreds (Step 2)  |
| **3** | I can solve more challenging 3 digit by 1 digit calculations (Step 3) |
| **Vocabulary****Multiplication:** Repeated addition a given number times to calculate the product E.g. 3 x 4 = 4 +4 +4 = 12**Round:** You may need to round the answer up or down to complete the question |

**Step 1**

Solve these number sentences using expanded multiplication and short multiplication.

For example 244 x 3 =

 2 4 4 244

 X 3 x 3

 12(3x4) 7 4 2

1

1

 120 (3 x 40)

 600 (3 x 200)

 742

1) 212 x 4 = 2) 321 x 3 = 3) 24 x 4 = 4) 35 x 3 = 5) 228 x 4 =

6) 125 x 3 = 7) 114 x 6 = 8) 215 x 4 = 9) 114 x 7 = 10) 227 x 4 =

**Step 2**

Use short multiplication to check whether the answers to these calculations are accurate.

1. 228 x 4 = 911 2) 125 x 3 = 375 3) 249 x 3 = 749 4) 134 x 4 = 566
2. 254 x 3 = 762 6) 432 x 4 = 352 7) 632 x 3 = 302 8) 154 x 3 = 874

**Step 3**

**Which of these number sentences will have an answer greater that 5,000?**

* First estimate which number sentences will have an answer greater than 5,000. You can use jottings to support your estimate if you want to.
* Solve each of the calculations using short multiplication and check whether your estimates were accurate.

1) 429 x 3 = 2) 532 x 4 = 3) 871 x 9 = 4) 917 x 8 = 5) 657 x 6 = 6) 459 x 3 = 7) 289 x 6 = 8) 641 x 7 =