# Multiplication and Division: Expanded Multiplication with Two-Digit Numbers 

## Aim:

To multiply two-digit and three-digit numbers by a one-digit number using formal written layout.

I can multiply two-digit by one-digit numbers using expanded multiplication.

Success Criteria:<br>I can set out the calculation correctly.<br>I can partition the calculation and multiply the ones then the tens.<br>I can add the two calculations together to find the answer.<br>\section*{Key/New Words:}<br>Partition, multiply, expanded multiplication, tens, ones, calculation.<br>Resources:<br>Lesson Pack<br>Whiteboards and pens - class set<br>\section*{Preparation:}<br>Differentiated Expanded Multiplication<br>Activity Sheet - 1 per child<br>Twelve Times Table Bingo Game - as required<br>Multiplication Squares - as required

Prior Learning: It will be helpful if the children know the multiplication and division facts up to $12 \times 12$.

## Learning Sequence

Twelve Times Table Bingo: Give each child a card from the Twelve Times Table Bingo Game. Reveal the numbers
on the Lesson Presentation one by one (or use the bingo cards if preferred). If a child has the number sentence
corresponds to that number, then they should cover that square. Once all their squares are covered they can shout

'BINGO" | The Grid Method: Remind children how to use the grid method of multiplication. Check that they have remembered |
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| how to use multiplication magic to multiply multiples of ten. |

## Masterit

Beatit: Play this BBC Tables Grid Challenge to practise tables recall, improving both speed and accuracy.
Teachit: Ask children to teach a younger child how to calculate using the expanded method, making sure that they explain each step carefully.
Designit: The children design a poster to remind them how to calculate using expanded multiplication.

