

Year 4 Multiply 3-digits by 1-digit

Practical Maths Guidance

Activity Outcomes

- This is a Year 4 objective, however it can be adapted for younger or older children.
- Your child will learn how to multiply 3-digits numbers by a 1-digit number.
- They will also learn how to use the column method for multiplication.

Setting Up

What you will need

- Playing cards (home-made digit cards or a dice would also work)
- Paper
- Blockbuster-style game board

Activity Guide

Activity 1 – Column Method Challenge

- Use playing cards to generate a 3-digit number.
- If you wish to practise a certain times table, then you can fix the number the child has to multiply by, or you can randomly select this as a card too.
- Position your cards in the column method – these can be arranged in any order, but once placed they cannot be moved.
- Calculate and write down the answer. To make this more challenging, it could be timed!

Activity 2 – Blockbusters

- Print off the gameboard below. Write a range a 3-digit numbers and 1-digit numbers onto some paper.
- Write the answers to some of these calculations on the game board.
- Players take it in turns to multiply the 3-digit numbers by a 1-digit number. If their answer appears on the gameboard, they can colour it in. The winner is the first person to get from one side of the board to the other using a chain of their colour (left to right or top to bottom).

Questions you could ask your child during the activity

- How do you lay out the column method for multiplication?
- How do I use the column method to multiply the numbers?
- How does an exchange work with this method?
- What would this multiplication look like as repeated addition?

Further Support and Ideas

- Watch this idea on YouTube here: https://www.youtube.com/watch?v=Y_LCMUdfy6U
- Children could create their own game based on multiplying 3-digits by 1-digit and then write up instructions on how to play. They could also play games of multiplication bingo.
- For tutorials, interactive games and more to support this lesson on multiplying visit kids.classroomsecrets.co.uk

Year 4 Multiply 3-digits by 1-digit Blockbuster Resource

