# Multiplication and Division: Multiples 

## Aim:

Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.

## DfE Ready-to-Progress Criteria:

Find factors and multiples of positive whole numbers, including common factors and common multiples (5MD-2).

To identify multiples of numbers.

## Success Criteria:

I can explain what a multiple is.
I can identify and use rules to find multiples.

I can identify common multiples.

## Key/New Words:

Multiple, common multiple, product, pattern, odd, even, digit.

Resources:
Lesson Pack

## Preparation:

Differentiated Multiples Activity Sheets one per child as needed
Diving into Mastery Activity Sheets as required

Prior Learning: It will be helpful if children are familiar with times table facts up to $12 \times 12$.

## Learning Sequence

Remember It: Using the corresponding slide on the Lesson Presentation, the children complete the three
activities on the screen. Children will identify numbers in the chosen multiplication tables from a range of
numbers as well as complete a missing number task in a section of a hundred square. Children can use mini
whiteboards to assist them along with partner talk if necessary. Can the children identify numbers in the times

tables? | What Is a Multiple? Use the corresponding slide of the Lesson Presentation to generate a class discussion |
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| on what a multiple is or could be. Use the prompts to help children identify the multiples. Using the next slide, |
| encourage the children to think about the rules of how to find a multiple of two, three, four and five. Encourage |
| the children to see if they can identify any more multiples using the rules. You may wish to use the challenge |
| on this slide to extend the learning. Can the children explain what a multiple is? Can they identify and use the |
| rule to find multiples? |

Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative
activity. These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper'
section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill
and are applying this to show their depth of understanding.

## Exploreit

Testit: Children test out the rules from the lesson with larger numbers (such as four, five or six-digit numbers) to investigate if the rules still work. This could be added to a working wall or used as part of a display.
Learnit: Children will find this visually exciting Knowledge Organiser a useful tool to support their understanding of multiplication and division.

