

NCP25-13a

Developing Fluency with Multiplicative Reasoning

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Outline

This opportunity focuses on supporting students to develop a deep and connected understanding of multiplicative reasoning, a key area of the KS3 maths curriculum.

What is involved?

Working in a professional learning community, teachers will explore effective ways to teach multiplicative reasoning, share strategies and use carefully designed classroom resources and guidance materials to improve their teaching.

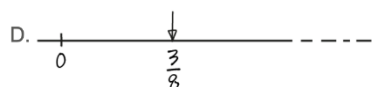
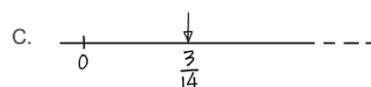
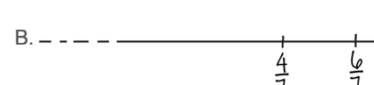
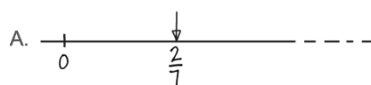
Our Work Group will focus on Year 7 content and is open to all secondary schools, that have not taken part in this programme previously.

What you will learn:

- You will strengthen students' reasoning, fluency and confidence with multiplicative reasoning
- You will explore key structures and strategies for teaching multiplicative reasoning across KS3
- You will work with colleagues to plan and reflect on coherent, high-quality lessons
- You will improve understanding of how to support all students to think and communicate mathematically
- You will have access to high-quality classroom resources and guidance to ensure secure foundations for GCSE study

Fractions as measure: 2 Where's three-sevenths?

Mark $\frac{3}{7}$ on each number line.



Explain your strategy for each one.

Workshop details

All workshops will be conducted face to face within our Maths Hub region at a location to be decided, based upon the locations of the participating schools.

Workshop 1 – 0900-1600 Friday 17th October 2025

Workshop 2 – 0900-1600 Wednesday 28th January 2026

Workshop 3 – 0900-1600 Thursday 26th March 2026

Each workshop will be a hybrid of centrally provided input and collaborative professional development, supported by a Teaching for Mastery specialist.

Link to register: [here](#).

Deadline for registration 18th September 2025.

For further information, contact our Maths Hub Co-ordinator
Angela Oliver jurassicmaths@woodroffe.dorset.sch.uk

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