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## How to Teach and Assess Multiplicative Thinking in Primary & Lower Secondary School

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### Keywords:

Multiplication,  
Maths,  
Assessment,  
SNMY

### Learning areas:

Mathematics

Multiplicative Thinking is an important skill in mathematics. We'll show you how to assess students' understanding of the different aspects of multiplicative thinking, and how to teach what your students need to know about using the 'groups of' model, arrays, the region model and the area model, and the Cartesian Product model. Lack of knowledge of this can hold up students' progress in both maths and science.

In addition, we'll show you a short, clear cut method to help your students learn the Times Tables.

You can use this method at any year level, and it's easier, faster, and more effective than the traditional Times tables 'drill'. We'll also show you how to play an interactive quiz game that you can use to test your students' understanding of multiplication. Maths questions within the workshop will be targeted to the Year Levels participants teach.

This hands-on workshop is designed for teachers of Years 3-10. Multiplicative Thinking can be so poorly understood that students at Year 9 level can be thinking at a lower primary level, and so secondary teachers can benefit from learning the stages all students need to understand, whatever the student's age. Handouts supplied.