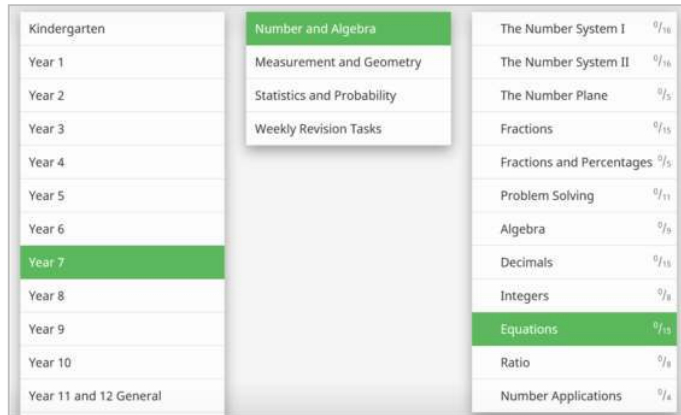


# Rapid Coverage of Gaps in Year 6 School Maths

The minimum requirement for the Advanced Year 5-6 Mathematics Workshop is complete coverage of year 6 school maths. Students who have not done this should follow the instruction here to cover all year 6 school maths quickly using Maths Online.

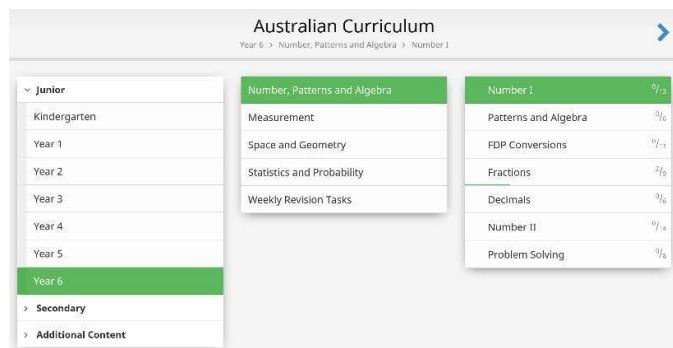
## Identification and filling of learning gaps

Instead of working in the normal order from LEARNING to ASSESSMENT, gifted students can work in a reversed order from ASSESSMENT to LEARNING. IN this way, they first take an assessment of a topic, identify the learning gaps and go back to the video lessons to learn what they have not learned (or figured out on their own). This is possible because gifted students tend to be far ahead and could figure advanced things out in their own time (from what they have learned and challenges in daily activities). In this manner gifted students can often skip some subtopics to save time.



**Example:** Checking gaps for the topic “Number I” under the strand “Number and algebra”

1. Click on Year 6
2. Click on Number, Patterns and Algebra
3. Click on Number I



Students will be presented with a number of subtopics.

Instead of going through all the video lessons, a student can

1. Immediately start the "Short" diagnostics test.
2. If the score is less than 90%, just by looking at the failed questions, a student can figure out what s/he does not know well. Open the video lessons to learn to fill the gaps. And then finally, do the “Comprehensive” test to wrap up the topic.
3. Only when the score is at least 90%, it is ok to tick the topic as 'completed'

To be more thorough, one can do the "Standard" diagnostics test and if the score is not at least 90%, do step 2 above then do the "Comprehensive" test.

## Appendix VI - Year 6 Maths Tracking Template

**Instruction:** start with the short test, if 90% or better put a tick under "90% plus?" and move on. If not, learn the gaps and do the standard test, if 90% or better put a tick under "90% plus?" and move on. If not, learn the gaps and do the comprehensive test, if 90% or better put a tick under "90% plus?" and move on.

### Number, Patterns and Algebra

Topic	Test attempt results/notes	90% plus?
Number I		
Patterns and Algebra		
FDP Conversions		
Fractions		
Decimals		
Number II		
Problem Solving		

### Measurement

Topic	Test attempt results/notes	90% plus?
Units of Measure		
Time		
Area and Volume		

### Space and Geometry

Topic	Test attempt results/notes	90% plus?
Angles		
Plan Shapes and Solids		

### Statistics & Probability

Topic	Test attempt results/notes	90% plus?
Graphs		