By the end of Year 2, students recognise increasing and decreasing number sequences involving 2s, 3s and 5s. They represent multiplication and division by grouping into sets. They associate collections of Australian coins with their value. Students identify the missing element in a number sequence. Students recognise the features of three-dimensional objects. They interpret simple maps of familiar locations and describe key features such as the number of faces, corners or edges.

They tell time to the quarter-hour, using the language of ‘past’ and ‘to’. They tell time to the hour and use a calendar to identify the date and the months included in seasons. They draw two-dimensional shapes. They describe ‘edges’ and ‘faces’ and recognise familiar two-dimensional shapes and three-dimensional objects using various features (ACMMG042).

Students develop skills in choosing appropriate procedures, carrying out procedures flexibly, accurately, efficiently, when they recognise robust ways of answering questions, when they choose appropriate methods and represent concepts in different ways, when they identify commonalities and differences between aspects of content, when they describe their thinking mathematically and when they interpret mathematical information.

They describe the features of three-dimensional objects (ACMMG043). They describe the features of two-dimensional shapes (ACMMG044). They use balance scales to determine whether the mass of objects is the same (ACMMG045). They solve the problems of key features (ACMMG046).

Students develop an increasingly sophisticated capacity for logical thought and action, such as analysing, converging, evaluating, selecting, justifying and generating. Students are reasoning mathematically when they explain their thinking, when they select and justify strategies and assumptions reached, when they adopt the known to the unknown, when they transfer existing ideas and concepts to another, when they propose that something is true or false and when they compare and contrast related ideas and select their solutions.