

# Early Stage 1 Mathematics



## STAGE STATEMENT

### **Early Stage 1**

By the end of Early Stage 1, students ask questions and use known facts to explore mathematical problems and develop fluency with mathematical ideas. They use everyday language, concrete materials and informal recordings to demonstrate understanding and link mathematical ideas.

Students count to 30 and represent numbers to 20 with objects, pictures, numerals and words. They read and use ordinal numbers to at least 'tenth'. Students use concrete materials to model addition, subtraction, multiplication and division. They use the language of money and recognise the coins and notes of the Australian monetary system. Students divide objects into two equal parts and describe them as halves. They recognise, describe and continue repeating patterns of objects and drawings.

Students identify length, area, volume, capacity and mass, and compare and arrange objects according to these attributes. They manipulate, sort and represent three-dimensional objects and describe them using everyday language. Students manipulate, sort and describe representations of two-dimensional shapes, identifying circles, squares, triangles and rectangles. They connect events and the days of the week and explain the order and duration of events, telling the time on the hour. Students give and follow simple directions and describe position using appropriate language.

Students answer simple questions to collect information. They use objects to create a data display and interpret data.

## OUTCOMES

Mathematics Outcomes	Early Stage 1
<b>Mathematics K-10</b>	
<i>MAe-1WM- describes mathematical situations using everyday language, actions, materials and informal recordings</i>	
<i>MAe-2WM- uses objects, actions, technology and/or trial and error to explore mathematical problems</i>	
<i>MAe-3WM- uses concrete materials and/or pictorial representations to support conclusions</i>	
<i>MAe-4NA- counts to 30, and orders, reads and represents numbers in the range- 0-20</i>	
<i>MAe-5NA combines, separates and compares collections of objects, describes using everyday language, and records using informal methods</i>	
<i>MAe-7NA- describes two equal parts as halves</i>	
<i>MAe-8NA- recognizes, describes and continues repeating patterns</i>	
<i>MAe-9MG- describes and compares lengths and distances using everyday language</i>	
<i>MAe-10MG- describes and compares area using everyday language</i>	
<i>MAe11MG- describes and compares the capacities of containers and the volumes of objects or substances using everyday language</i>	
<i>MAe-12MG- describes and compares the masses of objects using everyday language</i>	
<i>MAe-13MG- sequences events, uses everyday language to describe the durations of events, and reads hour time on clocks</i>	
<i>MAe-14MG- manipulates, sorts and representations of two-dimensional shapes, including circles, triangles, squares and rectangles, using everyday language</i>	
<i>MAe-15MG- manipulates, sorts and describes representations of two dimensional shapes, including circles, triangles, squares and rectangles, using everyday language</i>	
<i>MAe-16MG- describes position and gives and follows simple directions using everyday language</i>	
<i>MAe-17SP- represents data and interprets data displays made from objects</i>	