Activities

Year 3 Achievement Standard

By the end of Year 3, students recognise the connections between addition and subtraction and solve problems using efficient strategies for multiplication. They model and represent unit fractions. They represent money values in various ways. Students identify symmetry in the environment. They make position as maps with given information. Students recognise angles in real situations. They interpret and compare data displays. Students count and from 10 000. They classify numbers as either odd or even. They recall addition and multiplication facts for single-digit numbers. Students correctly count out change from financial transactions. They continue number patterns involving addition and subtraction. Students use metric units for length, mass and capacity. They tell time to the nearest minute. Students make models of three-dimensional objects. Students conduct chance experiments and list possible outcomes. They carry out simple data investigations for categorical variables.

Procedural Fluency

Understanding

Students develop an increasingly sophisticated capacity for logical thought and actions, such as analysing, proving, refuting, explaining, inferring, justifying and generalising. Students are reasoning mathematicians when they explain their thinking. When they review and edit strategies and conclusions reached, when they adapt the known to the unknown, when they develop efficient mental and written strategies and use appropriate digital technologies for multiplication and for division when there is no remainder.

Fluency

Students develop an ability to make choices, interpret, formulate, model and investigate problem situations, and communicate solutions effectively. Students formulate and solve problems when they use mathematics to represent and solve problems involving addition and subtraction.

Reasoning

Students develop the ability to identify patterns, describe patterns, continue and create number patterns using efficient mental and written strategies and appropriate digital technologies. Students correctly count out change from financial transactions. They continue number patterns involving addition and subtraction.

Resources Being Used