

# MATHEMATICS

AT SCHOOL

## If your child is meeting the Mathematics Standard by the end of Year 7...

...they will be working at early curriculum level 4, solving realistic problems using their growing understanding of number, algebra, geometry, measurement and statistics.

They will be solving problems using multiplication and division that use decimals, fractions and percentages. They will have a range of thinking strategies to help them investigate mathematics.

## To meet the standard your child will be learning to:

- solve problems involving decimals, using addition and subtraction
- use a range of multiplication methods to solve problems using whole numbers and fractions
- investigate and justify mathematical rules to see if they are always true
- create tables, graphs and rules for repeating patterns
- sort 2D and 3D shapes and discuss their similarities and differences
- measure time and objects using standard measures
- find perimeters, areas and volumes of shapes
- identify and describe how objects have been moved within patterns
- use grid references, simple scales, and points of the compass to describe a given location
- investigate, sort and display information in different ways and identify patterns and variations in the information
- explore probability through experimenting and comparing actual results with expected results.

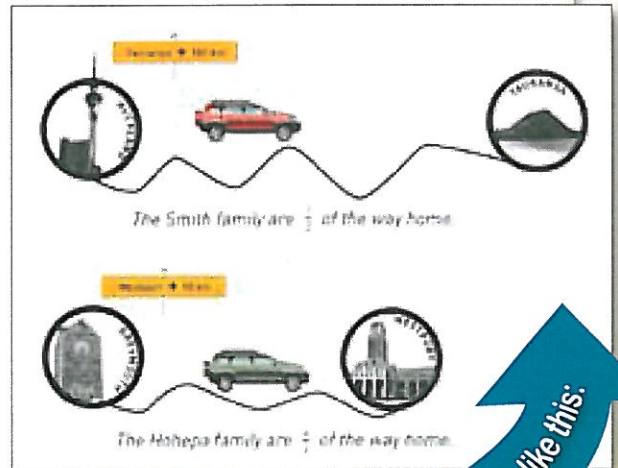
*This is a small part of the skills and knowledge your child is learning in order to meet this standard. Talk to the teacher for more information about your child's learning.*

### Focus on number

During Year 7, 40–60 percent of mathematics teaching time will focus on number learning.

The Smith family and the Hohepa family are both driving home from their holidays.

Which family has travelled the greatest distance?



Maths problems at this level might look like this:



Both families have travelled 60km.  
 For the Smith family I worked out  $\frac{1}{3}$  of 180 = 180 divided by 3 = 60.  
 For the Hohepa family I worked out that  $\frac{4}{6}$  is the same as  $\frac{2}{3}$ , so  $\frac{2}{3}$  of 90 = 90 divided by 3 x 2 = 60.

## Work together...

Help support your child's learning by building a good relationship with your child's teacher, finding out how your child is doing and working together to support their learning.

