

enVisionMATHS Online Tutorial Guide 4

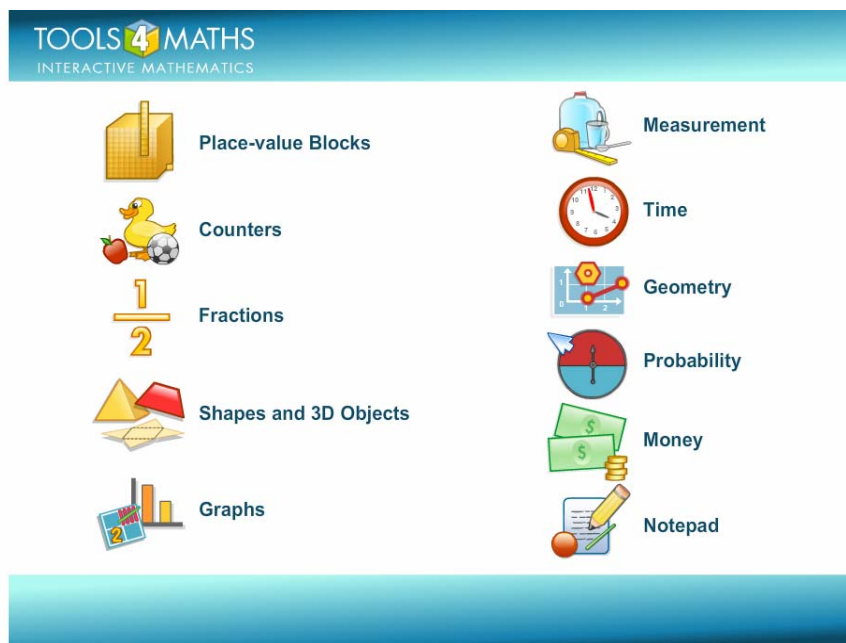
Tutorial 4.2: The Tools4Maths Tools

Introduction

This guide outlines each of the eleven tools in the Tools4Maths program.

The Eleven Tools

There are eleven different tools in Tools4Maths that support teaching or exploring a variety of maths concepts and skills. You can select a tool by clicking on the relevant icon.



Since many of the tools include options to vary the tool, you can use these tools in a variety of ways to support and enhance instruction and learning.

Here is a brief description of each tool.

Place-value Blocks

Place-value Blocks can be used to model both whole numbers and decimals. A variety of place value charts are available in the options menu.

Counters

Counters includes a variety of virtual objects and options, such as environments, number lines, arrays and a hundred chart to demonstrate any number of counting situations.

Fractions

Create and compare fractions using fraction strips, fraction circles and sets using the Fractions tool.

Shapes and 3D Objects

With the Shapes and 3D Objects tool, solve puzzles and explore transformations using 2D shapes and 3D Objects.

Graphs

Create graphs and tables using data from a variety of sources and solve mean, median, mode and range problems using the Graphs tool.

Measurement

Measurement supports the exploration of length, capacity, temperature and mass in a number of different environments.

Time

The Time tool enables you to explore time and elapsed time using digital and analogue clocks as well as calendars.

Geometry

With the Geometry tool, you can draw lines and angles and calculate perimeter and area.

Probability

Use the Probability tool to create experiments for testing outcomes using coins, marbles, cubes and spinners.

Money

Use the Money tool to count money, calculate change and compare equivalent values with Australian coins and notes.

Notepad

The Notepad tool is an extra, flexible workspace that allows teachers or students to model and solve problems. It provides the means to write, draw, type and manipulate objects on the workspace.

Extra Text Pad

Most tools (except Graphs, Probability and Notepad) also include an extra text pad. This allows teachers and students to add extra text, labels or lines to their workspace without affecting the functionality of this workspace.