# enVisionMATHS Online Tutorial Guide 3 Tutorial 3.1: Assessment Overview

## Introduction

This guide will give an overview of enVisionMATHS assessment: what all the options are and what is provided for you.

## enVisionMATHS Assessment

The focus of assessment in enVisionMATHS is both formative and summative.

The formative assessment tools are used to determine students' achievements, resulting in action plans for both teachers and students in the pursuit of learning.

The summative assessment tools are used to determine an overall measure of achievement at the end of a topic.

## **Formative Assessment**

The formative assessment opportunities related to enVisionMATHS include:

- The pre-assessment
- The interview assessment
- The prior knowledge task, and
- During-class assessment opportunities.

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## PEARSON

#### **Diagnostic Pre-assessment**

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Pre-assessment helps to gauge a student's ability in a particular area of Mathematics, providing information about a student's strengths and weaknesses.

The results of this assessment support teachers in customising instruction for individual student needs.

This form of assessment should be administered at the beginning of each topic. It covers both prerequisite material and new content.

#### Interview Assessment (Years F to 2)

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	1 2 3 4	Place a block under a table. Place a block under a table. Put a block inside a container. Place a block in your left hand.	
	1 2 3 4 5 100 50	Phone a block under a table.  Phone a block under a table.  Phot a block inside a container.  Phot a block in your left hand.  Phone a block in your left hand.  Phone a block in your of a classroom object flor example, a pendi tryi.  Teken a shock in your of a classroom object flor example, a pendi tryi.  Teken a shock to provide a sentence to describe the action they have compaled. Here do you know? O  Software with 7 Describ use of the shocher to describe the action they have objected block at provide the the shocher to provide a sentence to describe the action they have objected block at provide the described the action they have objected block at provide	ely. Note the ly, for example,

This is intended for use before teaching the topic, although there is also value in using it after a topic in certain situations.

During the Interview Assessment, the teacher will ask students to demonstrate their level of understanding by explaining the thinking behind their choices. Information on students' reasoning makes it possible to identify misconceptions and inconsistencies. It allows the teacher to identify emerging ideas in students' thinking so they can be clarified, shared and formalised.

These interview assessments can be used to assess reasoning in the early years. In Year F, these assessments often start with a visual stimulus page.

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#### Prior Knowledge Task (Years F to 2)

This task can be repeated and compared to see how students' conceptual understandings have changed during the course of the topic.

#### During a lesson

Any number of valuable assessment opportunities can occur during a classroom lesson. Some of these situations are specifically addressed throughout enVisionMATHS. For example:

- Error intervention
- Small group interaction
- Differentiated worksheets
- Prevent misconceptions

### **Summative Assessment**

The Post-assessment is the main form of summative assessment provided for each year level.

#### **Diagnostic Post-assessment**

A Post-assessment is provided for each topic-related maths concept for each year level.

N	ame		
	ncept 4: Diagrams		
1	Choose the correct	t answer for each of the fig	jures.
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	0 40	○ 2	0 16
	O 35	O 3	O 17
	0 45	04	O 18
3	using paper and p	solving a problem is most encil, models or diagrams? oning using the example pr	
	using paper and p Explain your reaso	encil, models or diagrams? ning using the example pr	oblem: 17 + 23.

The Post-assessment provides teachers with information about a student's achievement on a particular topic that has just been studied. These results help the teacher determine whether a student requires revision or intervention in that topic. It also allows teachers to chart a student's progress from the beginning of the topic to the end and gives them information to report back to parents.

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## **Further Assessment**

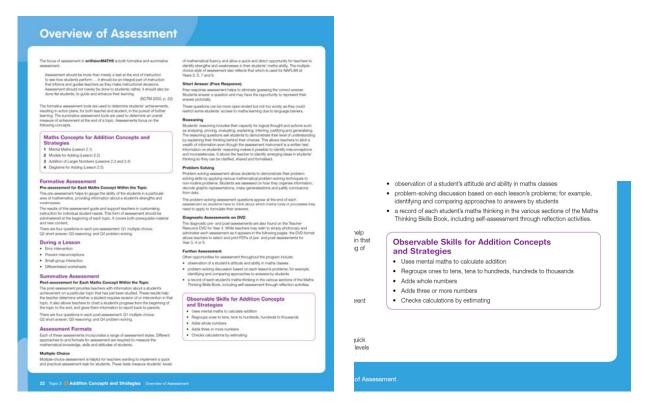
Other opportunities for assessment throughout the program include:

- Observation of a student's attitude and ability in Maths classes
- Problem-solving discussion based on each lesson's problems e.g. identifying and comparing students' approaches to answers
- A record of each student's maths thinking in the various sections of the Maths Thinking Skills Books including self assessment through reflection activities

## **Observable Skills**

A list of observable skills for each topic is provided on the Overview of Assessment page in each Teacher Resource Booklet.

This list will help you with assessment and reporting on assessment. It will also serve as a topic-based checklist to ensure you are assessing everything required for the Australian Curriculum achievement standards.



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