

Workshop 3:

Knowing what to do with the diagnostic results from the Assessment Tool reports



Intended Outcomes

- Improved use of the Assessment Tool for informing teaching and learning practice
- The development of group learning plans with specific outcomes
- The development of individual learning plans

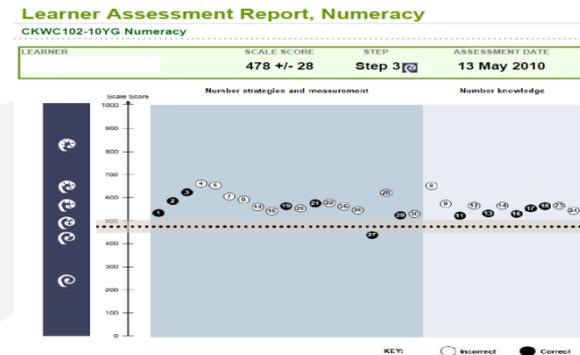


The ELN process

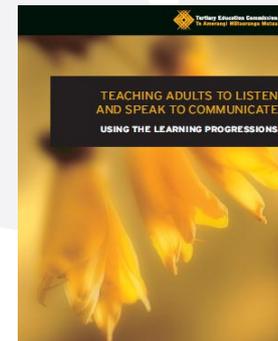
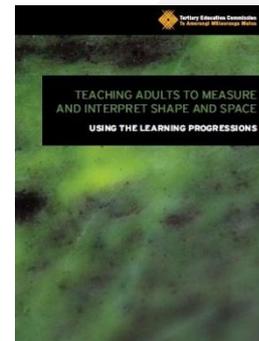
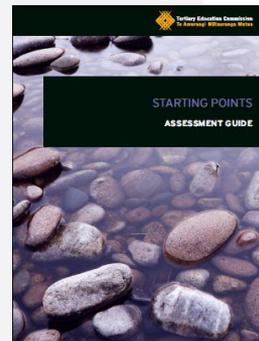
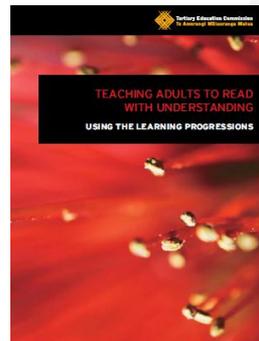
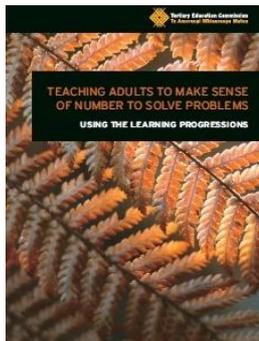
Know the Demands

ADULTS WITH PROGRESS	ADULTS WITH LIMITED PROGRESS				
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Know the Learner



Know What to Do



Effective use of assessment

- What assessment do you currently use?
- How do you analyse the results?
- How do you *use* the assessment results?



The Learning Progressions

Know the Demands

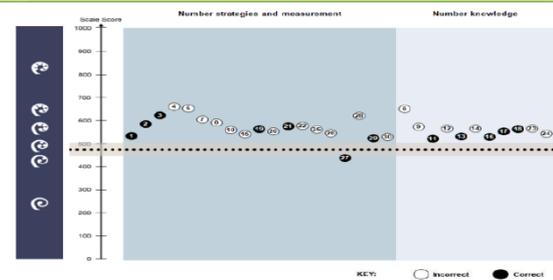
IDENTIFYING PROGRESSIONS	DEVELOPING TRUSTED PROGRESSION	ADVANCED PROGRESSIVE TRUSTED PROGRESSION	NUMBER KNOWLEDGE PROGRESSION	PLANS KNOWLEDGE PROGRESSION	NUMBER KNOWLEDGE PROGRESSION
<p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p>	<p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p>	<p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p>	<p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p>	<p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p>	<p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p> <p>Identify the skills and knowledge that are required for the progression.</p>

Know the Learner

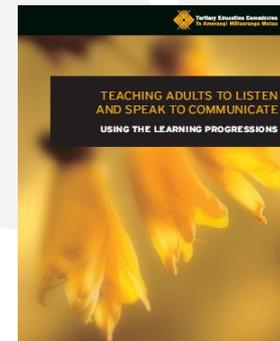
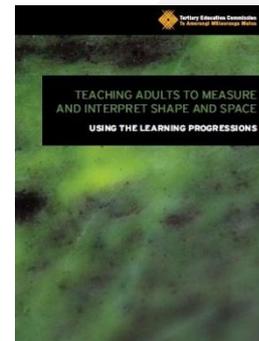
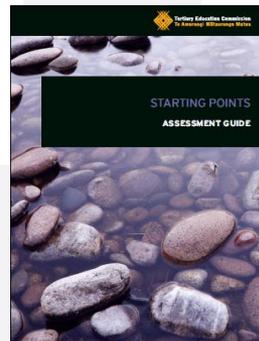
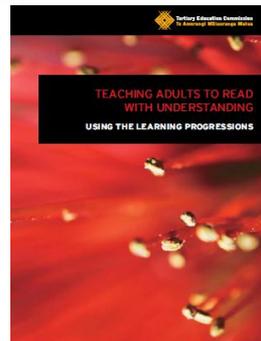
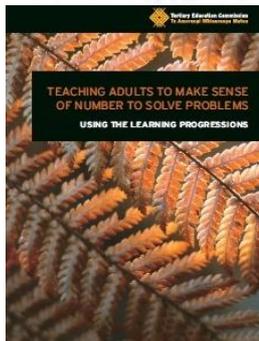
Learner Assessment Report, Numeracy

CKWC102-10YG Numeracy

LEARNER	SCALE SCORE	STEP	ASSESSMENT DATE
	478 +/- 28	Step 3	13 May 2010



Know What to Do



Example task... for numeracy

Retail assistant working in an up-market clothing store.

Primary numeracy tasks:

- Answer customer queries regarding discounted prices
- Enter correct amounts into electronic till and check the reasonableness of the total
- Collect and count 'cash' from customers and return correct amount



**20%
OFF**



\$31 - \$80

**15%
OFF**



\$10 - \$30

**30%
OFF**



\$81 - \$120

Knowing the demands

What will the following items cost?

A \$30 dress with a 15% discount?

An \$80 jacket with a 20% discount?

A \$140 dress with a 30% discount?



Knowing the demands

Identifying the demands is a process of:

- Determining what underpinning skills and knowledge are required to complete a task
- Determining the required expertise of those skills and knowledge on the Learning Progressions



Mapping the demands



	ADDITIVE STRATEGIES PROGRESSION	MULTIPLICATIVE STRATEGIES PROGRESSION	PROPORTIONAL REASONING STRATEGIES PROGRESSION	NUMBER SEQUENCE PROGRESSION	PLACE VALUE PROGRESSION	NUMBER FACTS PROGRESSION
	MOST ADULTS WILL BE ABLE TO:	MOST ADULTS WILL BE ABLE TO:	MOST ADULTS WILL BE ABLE TO:	MOST ADULTS WILL KNOW:	MOST ADULTS WILL KNOW:	MOST ADULTS WILL KNOW:
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	<ul style="list-style-type: none"> • solve addition and subtraction problems by counting on or counting back, using ones and tens. 	<ul style="list-style-type: none"> • solve multiplication problems by skip-counting, often in conjunction with one-to-one counting and often keeping track of the repeated counts by using materials (for example, beads) or mental images. 	<ul style="list-style-type: none"> • find a fraction of a set by using equal sharing. 	<ul style="list-style-type: none"> • the sequence of numbers, forwards and backwards, to at least 100 • how to skip-count in twos, fives and tens to 100. 	<ul style="list-style-type: none"> • 10 as a counting unit, the tens in numbers to 100 and the place values of digits in whole numbers up to 100. 	<ul style="list-style-type: none"> • basic addition and subtraction facts up to 10 + 10.
	<ul style="list-style-type: none"> • solve two-digit by one-digit addition and subtraction problems mentally, using partitioning strategies. 	<ul style="list-style-type: none"> • solve single-digit multiplication and division problems mentally, using known multiplication facts and repeated addition. 		<ul style="list-style-type: none"> • the sequence of numbers, forwards and backwards, to at least 1,000 • the number that is 1, 10 and 100 before or after a given number in the range 0-1,000 • how to skip-count in twos, threes, fives and tens to 1,000 • how to order fractions with like denominators. 	<ul style="list-style-type: none"> • the tens and hundreds in numbers to 1,000 and the place values of digits in whole numbers up to 1,000. 	<ul style="list-style-type: none"> • basic multiplication and division facts up to 10 x 10.
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Strategies

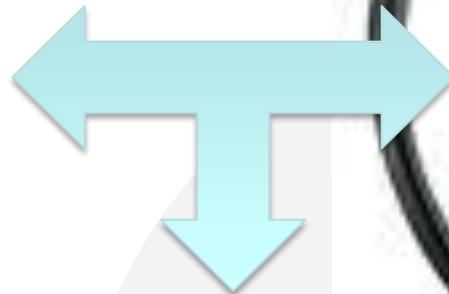


Knowledge

The Learning Progressions

Know the Demands

IDENTIFY TARGET PROGRESS	DEVELOP TARGET PROGRESSION	DEVELOP KEY SKILLS TARGET PROGRESSION	FORMAL ASSESSMENT PROGRESSION	PLANNED PROGRESSION	FORMAL ASSESSMENT PROGRESSION
<p>IDENTIFY TARGET PROGRESS</p> <ul style="list-style-type: none"> Identify the target progress for the learner. Identify the target progress for the learner. 	<p>DEVELOP TARGET PROGRESSION</p> <ul style="list-style-type: none"> Develop the target progression for the learner. Develop the target progression for the learner. 	<p>DEVELOP KEY SKILLS TARGET PROGRESSION</p> <ul style="list-style-type: none"> Develop the key skills target progression for the learner. Develop the key skills target progression for the learner. 	<p>FORMAL ASSESSMENT PROGRESSION</p> <ul style="list-style-type: none"> Develop the formal assessment progression for the learner. Develop the formal assessment progression for the learner. 	<p>PLANNED PROGRESSION</p> <ul style="list-style-type: none"> Develop the planned progression for the learner. Develop the planned progression for the learner. 	<p>FORMAL ASSESSMENT PROGRESSION</p> <ul style="list-style-type: none"> Develop the formal assessment progression for the learner. Develop the formal assessment progression for the learner.

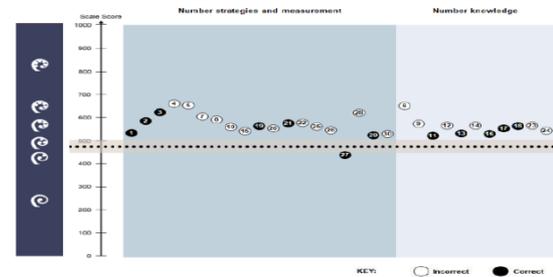


Know the Learner

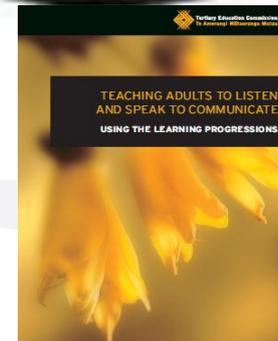
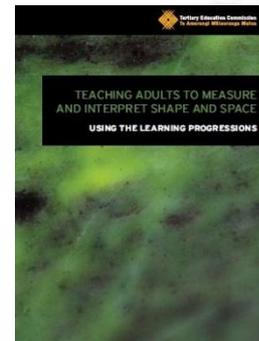
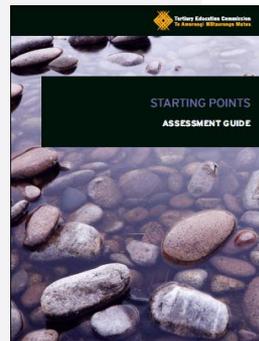
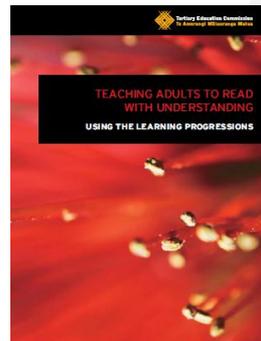
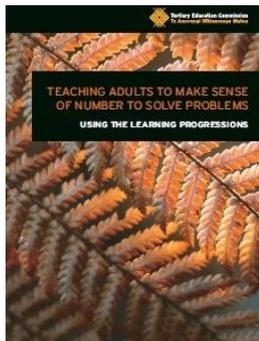
Learner Assessment Report, Numeracy

CKWC102-10YG Numeracy

LEARNER	SCALE SCORE	STEP	ASSESSMENT DATE
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Know What to Do

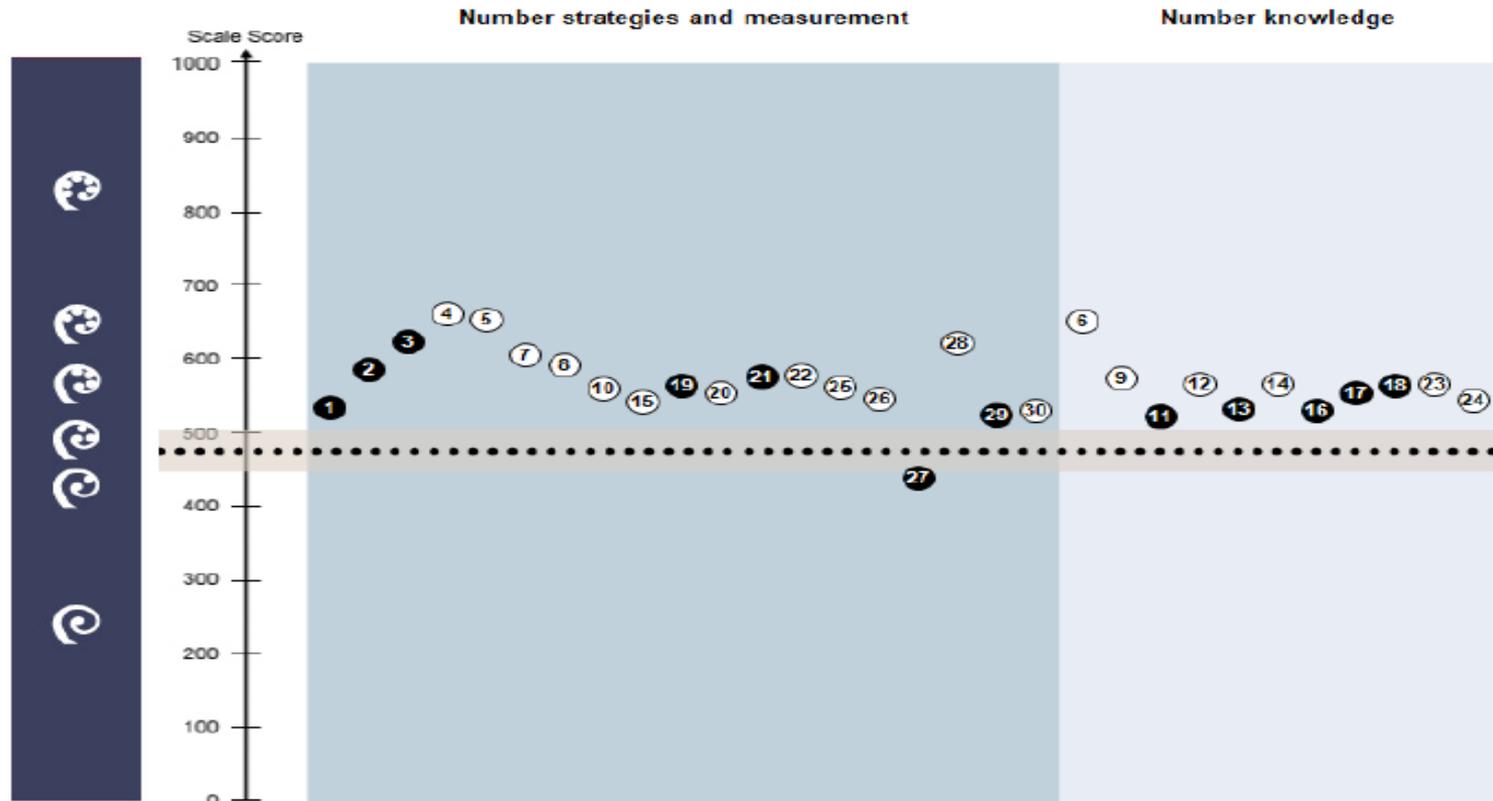


Knowing the learner

Learner Assessment Report, Numeracy

CKWC102-10YG Numeracy

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KEY:

 Incorrect

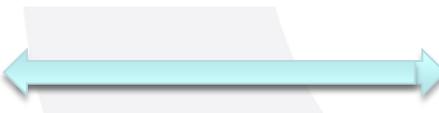
 Correct

Movement *across* the progressions



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Strategies



Knowledge

Make Sense of Number to Solve Problems

Multiplicative Strategies progression

- solve single-digit multiplication and division problems mentally, using known multiplication facts and repeated addition.

$$6 \times 5$$

$$8 \times 4$$



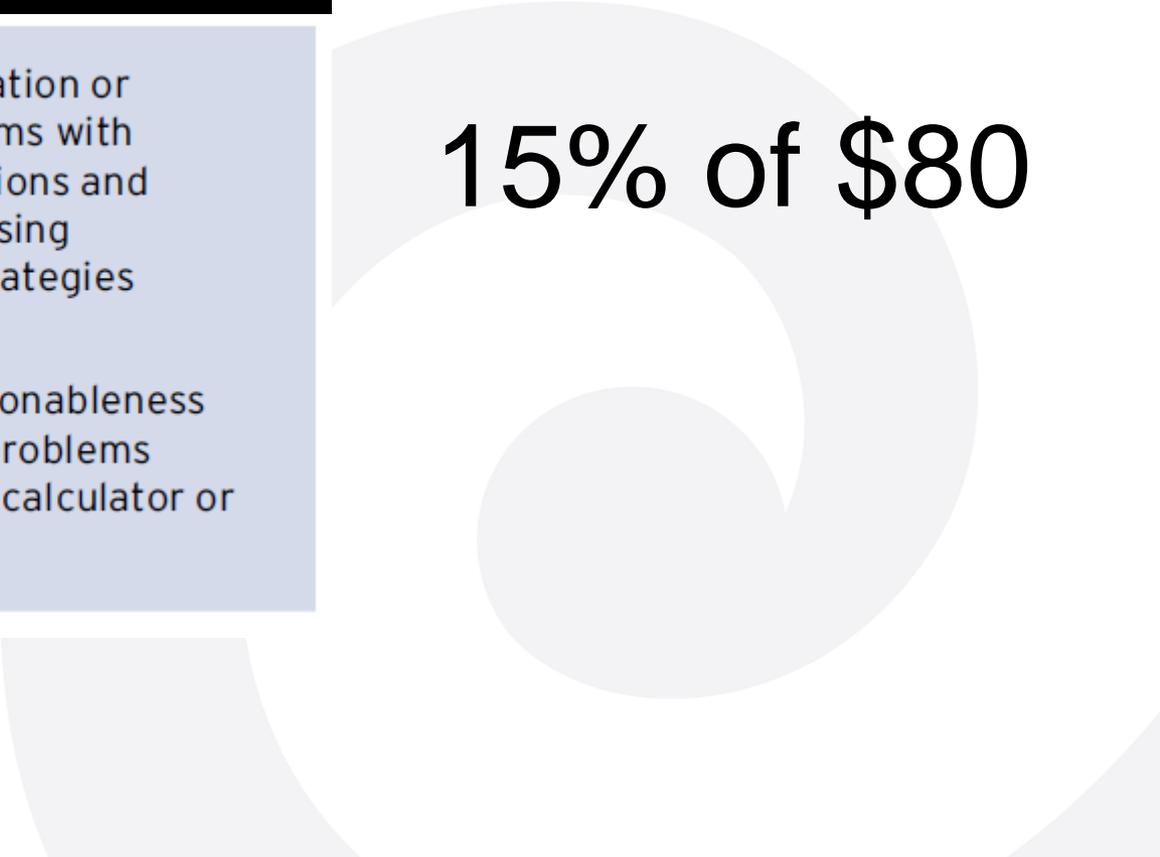
Make Sense of Number to Solve Problems

Multiplicative Strategies progression

- solve multiplication or division problems with decimals, fractions and percentages, using partitioning strategies

or alternatively

- justify the reasonableness of answers to problems solved, using a calculator or algorithm.



15% of \$80



Group Plans and Learning Sequences



Designing outcome statements

Outcomes	
Action word	Solve
Identify L&N skill	multiplication problems with percentages using partitioning strategies relating to
Define course content area	identifying the sale price of discounted items

Writing a learning sequence

Writing an ELN teaching plan for a learning sequence

Action word (identify, develop, practice, apply, explain, improve, evaluate, retell)	Solve	
Identify LN skill (progression, step task)	multiplication problems with percentages using partitioning strategies relating to	
Course content area	identifying the sale price of discounted items	
Teaching sequence	Approach	Resource
	1. Discuss and apply a range of strategies to solve a discount problem.	Discount questions
	2. Partition numbers and recombined to multiply multi-digit numbers with single digits.	Postits
	3. Mentally partition and recombine double digit multiplication sums.	Discount pamphlets

Writing a learning plan (literacy)

Action word (identify, develop, practice, apply, explain, improve, evaluate, retell)	Apply	
Identify LN skill (progression, step task)	comprehension strategies to locate, organise and summarise information relating to	
Course content area	product information pamphlets.	
Teaching sequence	Approach	Resource
	1. Discuss and apply a range of comprehension strategies to product pamphlets.	Range of catalogues and pamphlets
	2. Use text features to identify main points	Full page information texts/graphic organisers
	3. Categorise and summarise key information in texts.	Catalogues/graphic organisers

Writing a learning plan

Action word (identify, develop, practice, apply, explain, improve, evaluate, retell)	To calculate and convert	
Identify LN skill (progression, step task)	between fractions, decimals and percentages relating to	
Course content area	a clothing retail environment by	
Teaching sequence	Approach	Resource
	1. Recognising and linking common fractions to common decimals and percentages	String line; fraction, decimal and percent cards
	2. Understanding the unit values of decimals and percentages	Ones, tens and hundreds cards
	3. Practice solving discounted prices of items on special.	Advertisements

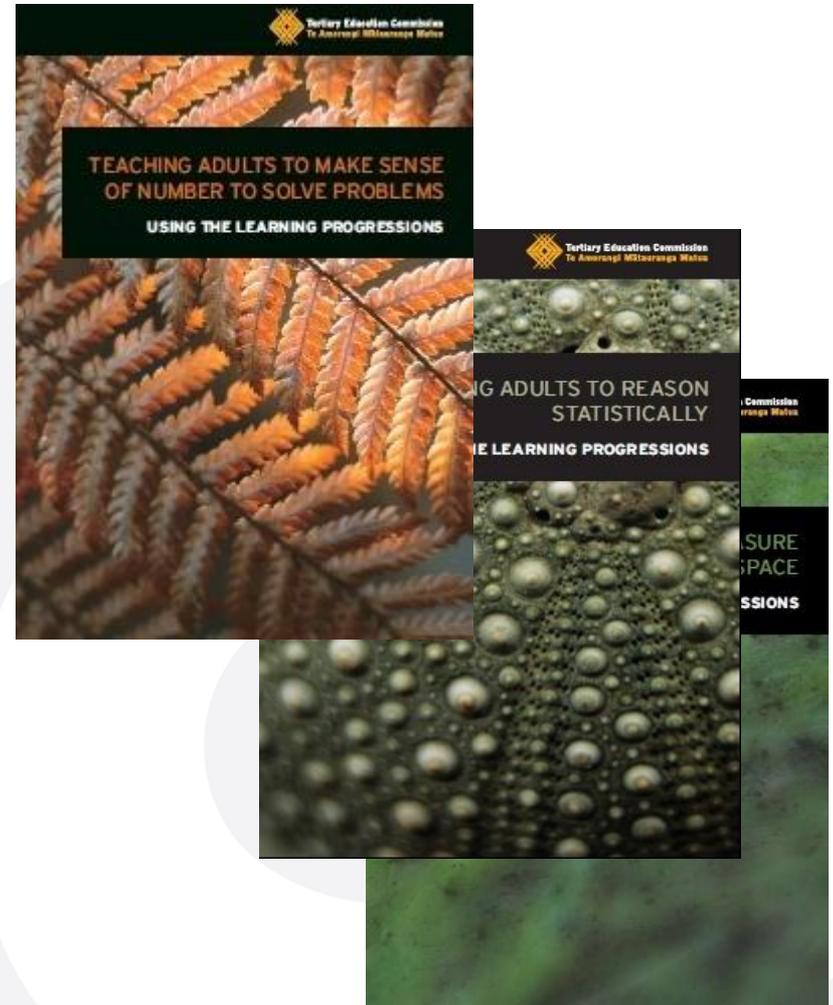
Retail programme ELN outcomes

Action word (identify, develop, practice, apply, explain, improve, evaluate, retell)	Solve			
Ide (pr	Action word (identify, develop, practice, apply, explain, improve, evaluate, retell)	Calculate and convert		
Co	Identify (progres	Action word (identify, develop, practice, apply, explain, improve, evaluate, retell)	Apply	
Tea	Course c	Identify LN skill (progression, step task)	comprehension strategies to locate, organise and summarise information relative	
	Teaching	Course content area	product information pamphlets.	
		Teaching sequence	Approach	Resource
			1. Discuss and apply a range of comprehension strategies to product pamphlets.	Range of catalogues and pamphlets
			2. Use text features to identify main points	Full page information texts/graphic organisers
			3. Categorise and summarise key information in	Catalogues/graphic organisers

Knowing what to do

Sequencing Learning Activities

- The Learning Progression books are designed to provide you with specific strategies and activities to develop learners skills
- Each book has a graph that aligns activities with specific outcome objectives

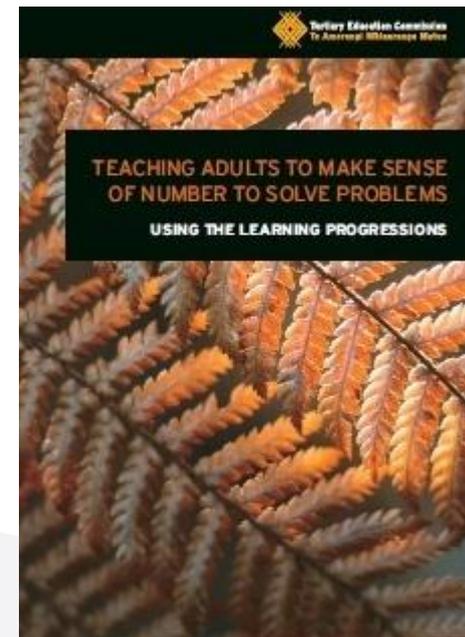


Using the resource books

Activities for teaching and learning

Number Strategies progressions

	ADDITIVE	MULTIPLICATIVE	PROPORTIONAL REASONING
			
	Counting on and back, page 19	Skip-counting, page 32	
	Addition and subtraction strategies I, page 22	Understanding multiplication, page 35 Deriving multiplication and division facts, page 37	
	Addition and subtraction strategies II, page 25	Multiplication strategies, page 39 Division strategies, page 41	Ratios I, page 53
	Adding decimals, page 28 Subtracting decimals, page 30	Multiplying options, page 43 Dividing options, page 46	Ratios II, page 58 Fractions and decimals, page 61
		Multiplying with decimals, page 49 Dividing with decimals, page 51	Rates and proportions, page 64



Activities to support step 3



Activities to support step 4

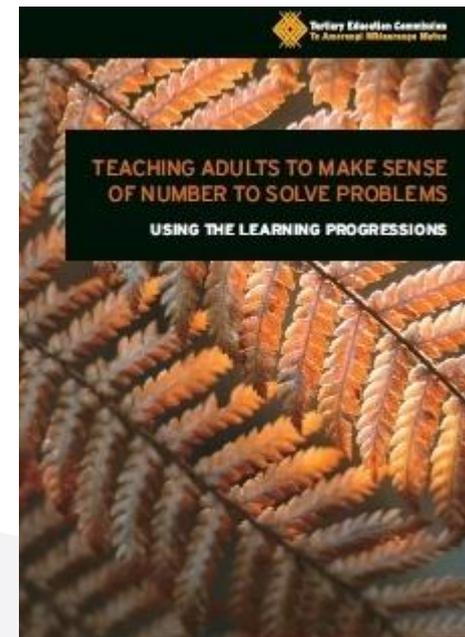


Activities to support step 5

Using the resource books

Number Knowledge progressions

	NUMBER SEQUENCE	PLACE VALUE	NUMBER FACTS
			
	Numbers to 100, page 67	Introducing place value, page 73	Addition and subtraction facts, page 80
	Understanding fractions I, page 69	Whole number place value, page 76	Multiplication and division facts, page 82 See also: Understanding multiplication, page 35 Deriving multiplication and division facts, page 37
	Understanding fractions II, page 70 Understanding fractions III, page 71		Estimating facts, page 85
	See also: Decimal number place value, page 78	Decimal number place value, page 78 See also: Connecting percentages, decimals and fractions, page 87	Connecting percentages, decimals and fractions, page 87
			



Activities to support step 3

Activities to support step 4

Activities to support step 5

Activities for teaching and learning

Number Strategies progressions

	ADDITIVE	MULTIPLICATIVE	PROPORTIONAL REASONING	NUMBER SEQUENCE	PLACE VALUE	NUMBER FACTS
						
	Counting on and back, page 19	Skip-counting, page 32		Numbers to 100, page 67	Introducing place value, page 73	Addition and subtraction facts, page 80
	Addition and subtraction strategies I, page 22	Understanding multiplication, page 35 Deriving multiplication and division facts, page 37		Understanding fractions I, page 69	Whole number place value, page 76	Multiplication and division facts, page 82 See also: Understanding multiplication, page 35 Deriving multiplication and division facts, page 37
	Addition and subtraction strategies II, page 25	Multiplication strategies, page 39 Division strategies, page 41	Ratios I, page 53 Fractions of numbers I, page 55	Understanding fractions II, page 70 Understanding fractions III, page 71		Estimating facts, page 85
	Adding decimals, page 28 Subtracting decimals, page 30	Multiplying options, page 43 Dividing options, page 46	Ratios II, page 58 Fractions of numbers II, page 61	See also: Decimal number place value, page 78	Decimal number place value, page 78 See also: Connecting percentages, decimals and fractions, page 87	Connecting percentages, decimals and fractions, page 87
		Multiplying with decimals, page 49 Dividing with decimals, page 51	Rates and proportions, page 64			

The Learning Progressions

Know the Demands

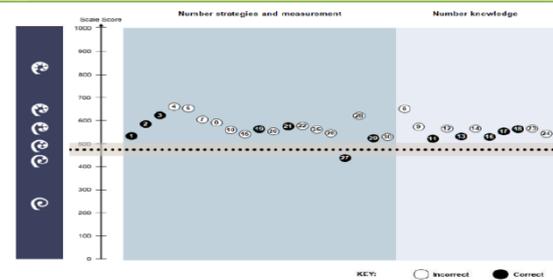
IDENTIFYING PROGRESSIONS	DEVELOPING TRUSTED PROGRESSION	ADVANCED PROGRESSIVE TRUSTED PROGRESSION	NUMBER KNOWLEDGE PROGRESSION	PLANS KNOWLEDGE PROGRESSION	NUMBER KNOWLEDGE PROGRESSION
<p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p>	<p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p>	<p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p>	<p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p>	<p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p>	<p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p> <p>Identify and explain the demands of the learning progression.</p>

Know the Learner

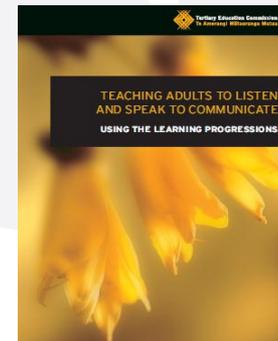
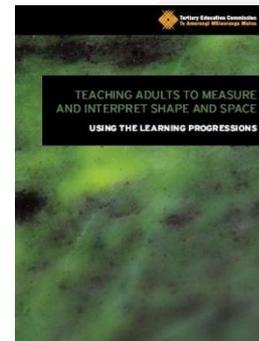
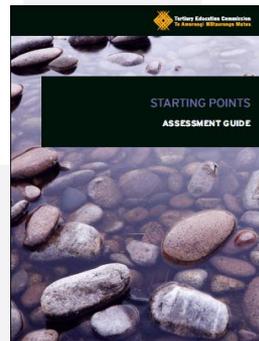
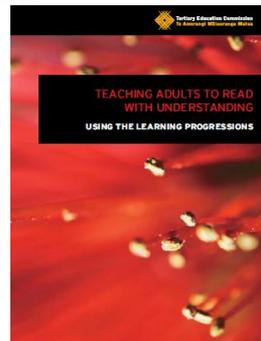
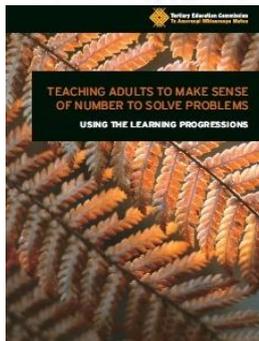
Learner Assessment Report, Numeracy

CKWG102-10YG Numeracy

LEARNER	SCALE SCORE	STEP	ASSESSMENT DATE
	478 +/- 28	Step 3	13 May 2010



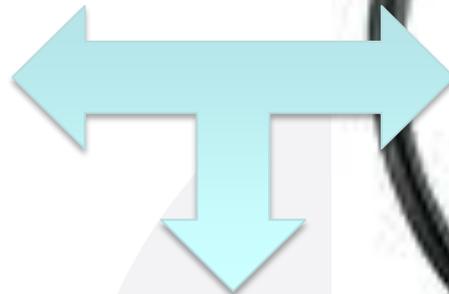
Know What to Do



The Learning Progressions

Know the Demands

IDENTIFY TARGET PROGRESSORS	WELL-BELOW TARGET PROGRESSORS	BEYOND TARGET PROGRESSORS	MEET TARGET PROGRESSORS	NEARLY MEET PROGRESSORS	MEET OR EXCEED PROGRESSORS
<ul style="list-style-type: none"> Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression. 	<ul style="list-style-type: none"> Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression. 	<ul style="list-style-type: none"> Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression. 	<ul style="list-style-type: none"> Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression. 	<ul style="list-style-type: none"> Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression. 	<ul style="list-style-type: none"> Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression. Identify students who are struggling to meet the demands of the learning progression.

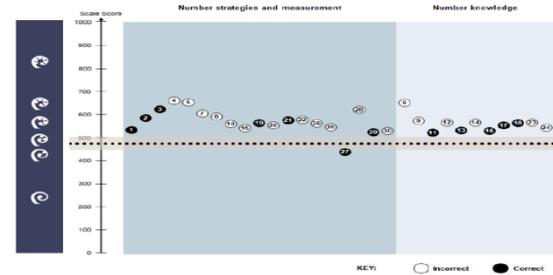


Know the Learner

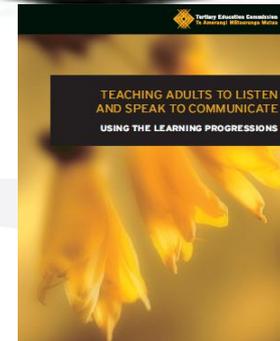
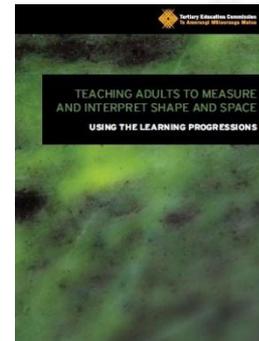
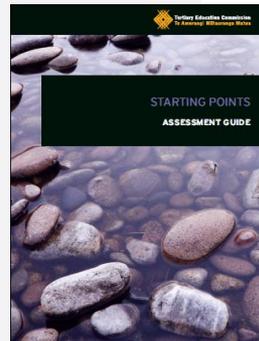
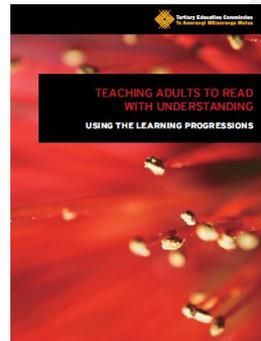
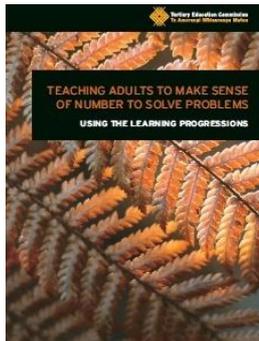
Learner Assessment Report, Numeracy

CKWC102-10YG Numeracy

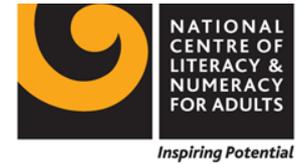
LEARNER	SCALE SCORE	STEP	ASSESSMENT DATE
	478 +/- 28	Step 3	13 May 2010



Know What to Do



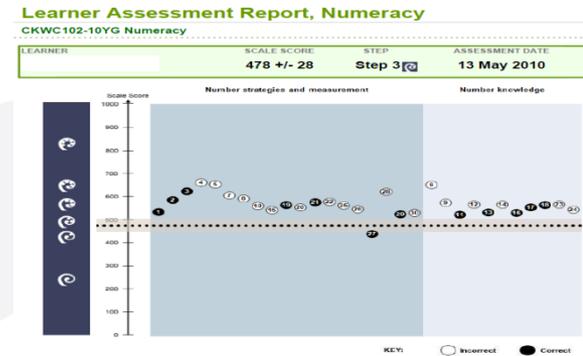
The Learning Progressions



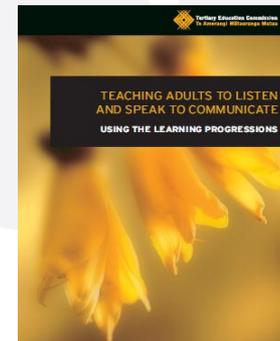
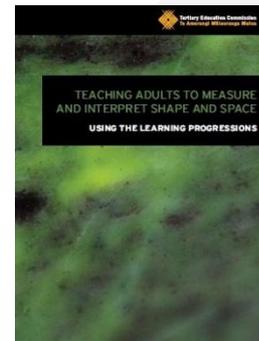
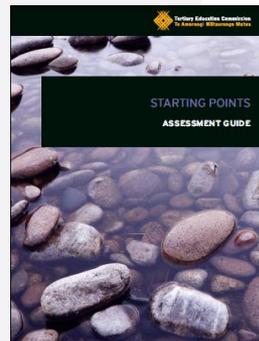
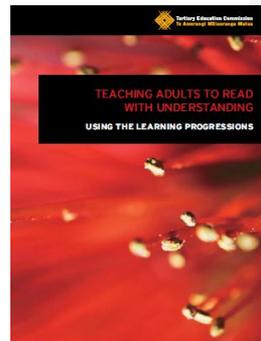
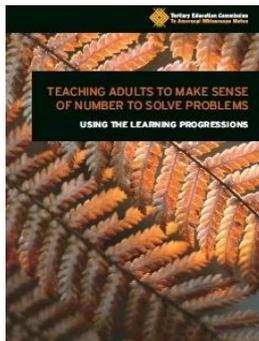
Know the Demands

ADDITIONAL PROGRESSION	LEVEL ONE PROGRESSION	LEVEL TWO PROGRESSION	LEVEL THREE PROGRESSION	LEVEL FOUR PROGRESSION	LEVEL FIVE PROGRESSION
<p>ADDITIONAL PROGRESSION</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p>	<p>LEVEL ONE PROGRESSION</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p>	<p>LEVEL TWO PROGRESSION</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p>	<p>LEVEL THREE PROGRESSION</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p>	<p>LEVEL FOUR PROGRESSION</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p>	<p>LEVEL FIVE PROGRESSION</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p> <p>Use addition and subtraction to solve problems involving money, using a partitioning strategy.</p>

Know the Learner



Know What to Do



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Summary

- Improved use of the Assessment Tool for informing teaching and learning practice
- The development of group learning plans with specific outcomes
- The development of individual learning plans

