

## Numeracy (General)

Step	Module number	Module title	Module content	ints for star	nts maximum
0		Introduction to Pathways Awarua	In this module you will learn how to use Pathways Awarua.	6	6
2	N2010 (NEW)	Adding up to 20	In this module you will learn about the importance of the number 10 and to add small numbers in your head.	65	65
2	N2020 (NEW)	Subtracting up to 20	In this module you will learn to subtract small numbers in your head.	46	46
2	N2030 (NEW)	Equal shares: halves and quarter	IN this module you will learn about halves and quarters of a whole and of a gro	36	36
2	N2040 (NEW)	Equal shares: more fractions	IN this moudle you will learn about thirds and fifths and symbols for fractions.	31	31
3	N3010 *	Adding and subtracting up to 20	In this module you will learn about the importance of the number 10 and to add and subtract small numbers in your head.	47	47
3	N3011 (NEW)	Hundreds, tens and ones	In this module you will learn our number system is based on the number 10 and to add/ subtract 1, 10 and 100.	72	90
3	N3021 (NEW)	More hundreds, tens and ones	In this module you will learn that numbers can be shown in different ways.	59	59
3	N3031 (NEW)	Adding and subtracting with bigger numbers	In this module you will learn to add and subtract one digit numbers to two and three digit numbers in your head .	68	68
3	N3041 (NEW)	Addition with multiples of ten and a hundred	In this module you will learn to use your basic facts to solve addition problems with multiples of 10 and 100s.	42	52
3	N3051 (NEW)	Solving 2 digit by 1 digit addition problems mentally	In this module you will learn to add a one digit number to a two digit number and to solve problems without a calculator.	59	59
3	N3052 (NEW)	Solving 2 digit by 1 digit subtraction problems mentally	In this module you will learn to add a one digit number to a two digit number and to solve problems without a calculator.	52	52
3	N3060S1	Adding and subtracting using tens	In this module you will learn some quick ways to add and subtract using tens.	49	55
3	N3061 (NEW)	Adding and subtracting using tens	In this module you will learn some quick ways to add and subtract using tens.	57	63
3	N3070S1	Different types of multiplication problems	In this module you will practise multiplication facts up to $10 \times 10$ .	8	94
3	N3071 (NEW)	Introdudction to multiplication and division facts	In this module you will learn about multiplication and division and why knowing the multiplication and division facts are useful.	42	42
3	N3072 (NEW)	Multiplication and division facts: 2x and 10x	In this module you will learn ways to remember 2x and 10x facts.	65	65
3	N3073 (NEW)	Multiplication and division facts: 4x and 5x	In this module you will learn ways to remember 4x and 5x facts.	72	72
3	N3074 (NEW)	Multiplication and division facts: 3x and 9x	In this module you will learn ways to remember 3x and 9x facts.	60	60

3	N3075 (NEW)	Multiplication and division facts: 6x, 7x and 8x	In this module you will learn ways to remember 6x, 7x and 8x facts.	86	86
3	N3091 (NEW)	Different types of multiplication problems	In this module you will learn to use multiplication to work out the answers to different types of problems.	30	47
3	N3101 (NEW)	What is division?	In this module you will learn how to identify different types of division problems and learn strategies to solve division problems.	27	41
3	N3102 (NEW)	Division and fractions	In this module you will learn to solve problems that ask you to find a fraction of a number.	46	57
3	N3111 (NEW)	Using multiplication facts to learn division facts	In this module you will learn to use multiplication facts to solve different types of division problems and learn division facts.	36	60
3	N3121 (NEW)	Pictographs and bar graphs	In this module you will learn to get information from pictographs and bar graphs and make pictographs and bar graphs.	34	34
3	N3990A	Assessment check	This module checks your understanding of the modules in step 3.	12	12
4	N4010	Whole number place value	In this module you will learn to find out how many ones, tens, hundreds and thousands there are in any number.	56	56
4	N4020	Addition estimates	In this module you will learn to solve problems that don't need an exact answer by making numbers simpler.	37	74
4	N4030	Addition strategies	In this module you will learn to make numbers simpler so that you can solve addition problems in your head.	87	93
4	N4030S1	Addition strategies	In this module you will learn to make numbers simpler so that you can solve addition problems in your head.	87	93
4	N4040	Subtraction strategies	In this module you will learn to make numbers simpler so that you can solve subtraction problems in your head.	73	77
4	N4040S1	Adding using place value	In this module you will learn to make numbers easier to add in your head by splitting them into tens and ones.	55	59
4	N4040S2	Using addition to solve subtraction problems	In this module you will learn to use addition to solve subtraction problems.	21	32
4	N4040S3	Subtracting using place value	In this module you will learn to make numbers easier to subtract in your head by splitting them into tens and ones.	35	39
4	N4040S4	Subtraction strategies	In this module you will learn to make numbers simpler so that you can solve subtraction problems in your head.	73	77
4	N4060	Strategies for multiplying with a single digit multiplier	In this module you will learn to multiply numbers in your head using different strategies.	96	96
4	N4060S1	Using addition and place value knowledge to solve multiplication problems	In this module you will learn to use how addition and place value to help solve multiplication problems.	80	113

4	N4060S2	Strategies for multiplying with a single digit multiplier	In this module you will learn to multiply numbers in your head using different strategies.	88	88
4	N4090	Strategies for solving harder division problems	In this module you will learn to use place value knowledge to solve division problems	28	55
4	N4090S1	Solving division problems by sharing and repeated subtraction	In this module you will learn to use repeated subtraction and sharing out to solve division problems.	10	65
4	N4099A	Assessment check	This module checks your understanding of the modules in the first half of step 4.	12	12
4	N4100	Introduction to fractions	In this module you will learn to describe what a fraction is, compare the size of fractions and show fractions in different ways.	81	92
4	N4100S1	Equivalent fractions	In this module you will learn to find fractions that have the same value and use equivalent fractions to solve problems.	25	25
4	N4110	Making bigger fractions	In this module you will learn to combine unit fractions to create fractions and make fractions that are greater than 1.	73	73
4	N4110S1	Probability as fractions	In this module you will learn to use fractions to express the probability of events.	31	31
4	N4120	Finding fractions of numbers	In this module you will learn to use fractions where the amount divides easily into the parts you want.	48	54
4	N4120S2	Finding fractions of numbers	In this module you will learn to use fractions where the amount divides easily into the parts you want.	36	42
4	N4130	Finding fractions of harder numbers	In this module you will learn to use fractions where you have to deal with remainders.	51	70
4	N4135	Place value	In this module you will learn about large numbers and place value, place value and multiplication and the powers of our base-ten number system.	53	53
4	N4140	Decimals and their relationship to whole numbers	In this module you will learn how decimals relate to whole numbers and each other and to work with numbers as small as 0.001.	75	75
4	N4140S1	Decimal number place value	In this module you will learn how the place of a digit in a decimal number represents its value in thousands, hundreds, tens, ones, tenths, hundredths, or thousandths.	115	115
4	N4140S2	Decimals and place value	In this module you will learn to recognise decimals as fractions, understand the place value of decimals and order decimals according to their value.	48	94
4	N4150	Tables	In this module you will learn to get information from tables and to sort and organise information into a table.	29	29
4	N4160	Line plots and line graphs	In this module you will learn to get information from line plots and line graphs and to make line plots.	25	25

4	N4170	Measurement benchmarks	In this module you will learn how to use benchmarks to estimate measurements and to use different benchmarks to measure small and big things.	26	26
4	N4200	Multiplying and dividing by tens and hundreds	In this module you will learn to multiply and divide by 10, 100 and 1000.	113	119
4	N4200S1	Multiplying by 10	In this module you will learn how to quickly multiply any number by 10.	72	72
4	N4200S2	Multiplying by 100	In this module you will learn how to quickly multiply any whole number by	94	94
4	N4300	Using time	In this module you will learn to tell the time on a 12-hour and 24-hour clock, work out time intervals and carry out simple conversions for time.	112	112
4	N4990A	Assessment check	This module checks your understanding of the modules in step 4.	12	12
5	N5005	Calculating simple percentages	In this module you will learn how to find simple percentages of quantities that are represented by decimal numbers.	93	93
5	N5005S1	Calculating simple percentages	In this module you will learn how to find simple percentages of quantities that are represented by decimal numbers.	87	87
5	N5010	Connections between decimals, percentages and fractions	In this module you will learn what percentages are and how decimals, percentages and fractions are related.	106	106
5	N5020	Equivalent ratios	In this module you will learn to use multiplication and division strategies to solve problems that involve ratios.	26	46
5	N5020S1	Working with percentages	In this module you will learn to find percentages of numbers.	97	144
5	N5030	Rates	In this module you will learn to solve problems with rates.	37	37
5	N5040	Working with factors	In this module you will learn to find the factors of numbers and use common factors to solve problems.	78	95
5	N5045	Exploring negative numbers	In this module you will learn to use negative numbers.	68	68
5	N5050	Multiplying and dividing decimal numbers by 10	In this module you will learn how to quickly multiply and divide any decimal number by 10 and by 100.	81	85
5	N5050S1	Multiplying decimal numbers by 100	In this module you will learn how to quickly and easily find the answer when you multiply a decimal number by 100.	60	70
5	N5050S2	Dividing decimal numbers by 100	In this module you will learn how to quickly and easily divide any decimal number by 100.	61	64
5	N5060	Decimal numbers multiplied and divided by 1,000	In this module you will learn how to multiply and divide decimal numbers by 1000.	52	52
5	N5070	Measuring length	In this module you will learn which measurement units are appropriate for tasks and how to convert between mm, cm, m and km.	34	34
5	N5070S1	Measurement of space and volume	In this module you will learn how to calculate and estimate volumes.	30	30

5	N5070S2	Measuring weight	In this module you will learn which measurement units are appropriate when weighing different things and how to convert between tonnes, kilograms and grams.	34	34
5	N5070S3	Measuring large and small	In this module you will learn the meaning of common measure prefixes and about measures of computer data storage.	27	27
5	N5080	Multiplication estimates	In this module you will learn to make good estimates of answers to multiplication problems and use estimates to check if your answers to calculations are reasonable.	62	62
5	N5090	Strategies for multiplying	In this module you will learn to solve multiplication problems by splitting the numbers into tens and ones.	33	77
5	N5100	Approximation and rounding	In this module you will learn what it means to make a reasonable approximation, how to judge when place values are significant or insignificant, and how to use rounding.	56	56
5	N5110	Budgeting	In this module you will learn to describe what a budget is and how to review a budget and identify areas for savings.	41	41
5	N5110S1	Banking	In this module you will learn to identify different services provided by banks and to save money by making good decisions about borrowing money.	29	29
5	N5110S2	Buying a mobile phone	In this module you will learn to identify a short term money goal and how to attain it through earning, saving and getting value for money.	43	43
5	N5115	Converting currency	In this module you will learn how to convert between NZ dollars and foreign currencies.	61	61
5	N5120	Statistics - Median and range	In this module you will learn to work out the median of a set of numbers and work out the range of a set of numbers.	59	71
5	N5990A	Assessment check	This module checks your understanding of the modules in step 5.	11	11
6	N6010	Statistics - Means and interquartile range	In this module you will learn to work out the mean (average) of a set of numbers, work out the interquartile range of a set of numbers and compare two sets of numbers using box and whisker diagrams.	58	58
6	N6010S1	More graphs	In this module you will learn to identify different types of graphs and get information from different types of graphs.	35	35
6	N6020	Harder rates	In this module you will learn to use unit rates and common factors to simplify rates and solve rates problems, and to show rates on graphs.	39	46
6	N6030	Calculating GST at 15%	In this module you will learn to quickly calculate 15% of an amount of money and the GST to be added to a price.	79	88
6	N6040	Calculating harder percentages using a calculator correctly	In this module you will learn to use a calculator correctly to calculate percentages of quantities and make estimations to see if the calculation seems reasonable.	89	89

6	N6050	Understanding compound interest	In this module you will learn to use a calculator to calculate percentages of money amounts and calculate interest charges on loans and interest earned on savings.	80	80
6	N6050S1	Interest on loans	In this module you will learn to calculate interest charges on loans and work out the effect of repayments on loans.	49	49
6	N6055	Squares, cubes and other powers	In this module you will learn to work out squares and cubes (powers of 2 and 3) and work out numbers with powers bigger than 3.	28	28
6	N6060	Rate problems - converting imperial to metric measures	In this module you will learn how to convert traditional measures into metric measures and solve rate problems.	71	71
6	N6060S1	Harder rate problems - fuel and temperature conversions	In this module you will learn how to convert miles per gallon to litres per km and convert Fahrenheit to Celsius.	47	47
				<b>5105</b>	<b>5755</b>

## Numeracy (Service)

Step	Module number	Module title	Module content	ints for star	nts maximum	Menu	Replaced b
2	SN2010 (NEW)	Adding up to 20	In this module you will learn about the importance of the number 10 and to add and subtract small numbers in your head.	65	65		
2	SN2020 (NEW)	Subtracting up to 20	In this module you will learn to subtract small numbers in your head.	46	46		
3	SN3010*	Adding and subtracting up to 20	In this module you will learn about the importance of the number 10 and to add and subtract small numbers in your head.	47	47		* SN2010–SN2020
3	SN3011 (NEW)	Hundreds, tens and ones	In this module you will learn our number system is based on the number 10 and to add/ subtract 1, 10 and 100.	84	108		
3	SN3021 (NEW)	More hundreds, tens and ones	In this module you will learn our number system is based on the number 10 and to add and subtract 1, 10 or 100 from a number.	59	59		
3	SN3031 (NEW)	Adding and subtracting with bigger numbers	In this module you will learn to add and subtract one digit numbers from two and three digit numbers in your head.68	68	68		
3	SN3041 (NEW)	Addition with multiples of tens and hundreds	In this module you will learn how to use basic facts to solve addition problems with multiples of 10s and 100s.	42	52		
3	SN3051 (NEW)	Solving 2 digit by 1 digit addition problems mentally	IN this module you will learn to add and subtract a one digit number from a two digit number.	59	59		
3	SN3052 (NEW)	Solving 2 digit by 1 digit subtraction problems mentally	IN this module you will learn to add and subtract a one digit number from a two digit number.	52	52		
3	SN3061 (NEW)	Adding and subtracting using tens	In this module you will learn some quick ways to add and subtract using tens.	55	63		
3	SN3071 (NEW)	Introduction to multiplication and division	In this module you will learn about multiplication and division and why knowing the multiplication and division facts are useful.	42	42		
3	SN3091 (NEW)	Different types of multiplication and problems	In this module you will learn to use multiplication to work out the answers to different types of problems.	30	44		

3	SN3101 (NEW)	What is division?	In this module you will learn how to identify different types of division problems and strategies to solve division problems.	30	30		
3	SN3102 (NEW)	Division and fractions	In this module you will learn to solve problems that ask you to find a fraction of a number.	56	56		
3	SN3111 (NEW)	Using multiplication facts to learn division facts	In this module you will learn to use multiplication facts to solve different types of division problems and learn division facts.	36	60		
4	SN4010	Whole number place value	In this module you will learn to find out how many ones, tens, hundreds and thousands there are in any number.	63	63		
4	SN4020	Is the answer reasonable?	In this module you will learn to find an estimate by making the numbers in addition and subtraction problems simpler and check whether the answer you got on a calculator seems about right.	54	54		
4	SN4030	Addition strategies	In this module you will learn to make numbers simpler so that you can solve addition problems in your head.	79	79		
4	SN4040	Subtraction strategies	In this module you will learn to make numbers simpler so that you can solve subtraction problems in your head.	73	77		
4	SN4050	Giving change	In this module you will learn to give correct change to customers by counting back, give customers the fewest coins possible when giving change and to use equal additions to work out change when customers give you coins.	59	59		
4	SN4060	Strategies for multiplying with a single digit number	In this module you will learn to multiply numbers in your head using different strategies.	96	96		
4	SN4090	Strategies for solving harder division problems	In this module you will learn to use place value knowledge to solve division problems and other strategies to solve division problems.	44	44		
4	SN4100	Catering for fractions	In this module you will learn to describe what a fraction is, compare the size of fractions and show fractions in different ways.	92	92		
4	SN4120	Finding fractions of numbers	In this module you will learn to use fractions where the amount divides easily into the parts you want.	51	57		



4	SN4130	Finding fractions of harder numbers	In this module you will learn to use fractions where you have to deal with remainders.	49	49		
4	SN4135	Place value	In this module you will learn about large numbers and place value, place value and multiplication and the powers of our base-ten number system.	50	50		
4	SN4140	Decimals and their relationship to whole numbers	In this module you will learn how decimals relate to whole numbers and each other and to work with numbers as small as 0.001.	89	89		
4	SN4300	Working with time	In this module you will learn to tell the time on a 12-hour and 24-hour clock, work out time intervals and carry out simple conversions for time.	94	94		
5	SN5005	Percentages and fractions in catering	In this module you will learn how to find simple percentages of quantities that are represented by decimal numbers.	88	88		
5	SN5010	Percentages, decimals, and simple fractions in catering	In this module you will learn what percentages are and how decimals, percentages and fractions are related.	106	106		
5	SN5015	Markups and markdowns	In this module you will learn to work out markups and markdowns without a calculator.	44	44		
5	SN5015S1	Markups and markdowns with a calculator	In this module you will learn to work out markups and markdowns using decimals and work out markups and markdowns with a calculator.	50	50		
5	SN5015S2	More markup and markdown problems	In this module you will learn to work out the markup or markdown if you know the original or sale prices and work out the original price if you know the markup/markdown and sale price.	77	93		
5	SN5020	Ratios in the kitchen	In this module you will learn to use multiplication and division strategies to solve problems that involve ratios.	61	61		
5	SN5020S1	Working with percentages	In this module you will learn to find percentages of numbers.	148	148		
5	SN5020S2	The Food Cost Percentage	In this module you will learn the meaning of the Food Cost Percentage and how to use it to work out a selling price for meals.	59	90		
5	SN5030	Rates in the kitchen	In this module you will learn to understand when a problem involves a rate and solve some problems with rates.	46	46		

5	SN5040	Working with factors	In this module you will learn to find the factors of numbers and use common factors to solve problems.	83	100		
5	SN5050	Multiplying and dividing decimal numbers by 10	In this module you will learn how to quickly multiply and divide any decimal number by 10 and by 100.	86	86		
5	SN5070	Measuring and estimating quantities by weight	In this module you will learn which measurement units are appropriate when weighing different things and how to convert kilograms, grams and milligrams.	25	25		
5	SN5070S1	Measurement of space and volume	In this module you will learn how to calculate and estimate volumes.	26	26		
5	SN5080	Multiplication estimates	In this module you will learn to make good estimates of answers to multiplication problems and use estimates to check if your answers to calculations are reasonable.	73	73		
5	SN5090	Strategies for multiplying	In this module you will learn to solve multiplication problems by splitting the numbers into tens and ones.	34	66		
5	SN5100	Approximation and rounding	In this module you will learn what it means to make a reasonable approximation, and how to use rounding to make useful approximations for quantities.	57	57		
5	SN5115	Converting currency	In this module you will learn how to convert between NZ dollars and foreign currencies.	45	45		
6	SN6020	Harder rates	In this module you will learn to use unit rates and common factors to simplify rates and solve rates problems, and to show rates on graphs.	43	43		
6	SN6030	Calculating GST at 15%	In this module you will learn to quickly calculate 15% of an amount of money and the GST to be added to a price.	88	88		
6	SN6040	Calculating harder percentages using a calculator correctly	In this module you will learn to use a calculator correctly to calculate percentages of quantities and make estimations that will confirm whether your calculations are likely to be correct.	90	90		
6	SN6060	Converting imperial to metric measures	In this module you will learn how to convert traditional measures into metric measures and convert between temperature systems.	57	57		
				<b>2939</b>	<b>3125</b>		

## Numeracy (Trade)

Step	Module number	Module title	Module content	ints for star	nts maximum	Menu
2	TN2010 (NEW)	Adding up to 20	In this module you will learn to add small numbers in your head.	65	65	
2	TN2020 (NEW)	Subtracting up to 20	In this module you will learn to subtract small numbers in your head.	47	47	
3	TN3010	Adding and subtracting up to 20	In this module you will learn about the importance of the number 10 and to add and subtract small numbers in your head.	47	47	
3	TN3011 (NEW)	Hundreds, tens and ones	In this module you will learn our number system is based on the number 10 and to add and subtract 1, 10 or 100 from a number.	72	90	
3	TN3031 (NEW)	Adding and subtracting with bigger numbers	In this module you will learn to add and subtract one digit numbers from two and three digit numbers in your head.	69	69	
3	TN3041 (NEW)	Addition with multiples of tens and hundreds	In this module you will learn how to use your basic facts to solve addition problems with multiples of 10s and 100s.	44	54	
3	TN3051 (NEW)	Solving 2 digit by 1 digit addition problems mentally	In this module you will learn to add a one digit number to a two digit number.	59	59	
3	TN3052 (NEW)	Solving 2 digit by 1 digit subtraction problems mentally	In this module you will learn to subtract a one digit number from a two digit number.	52	52	
3	TN3061 (NEW)	Adding and subtracting using tens	In this module you will learn some quick ways to add and subtract using tens.	56	62	
3	TN3071 (NEW)	Introduction to multiplication and division	In this module you will learn about multiplication and division and why knowing the multiplication and division facts are useful.	42	42	
3	TN3091 (NEW)	Different types of multiplication problems	In this module you will learn to use multiplication to work out the answers to different types of problems.	29	37	
3	TN3101 (NEW)	What is division?	In this module you will learn how to identify different types of division problems and strategies to solve division problems.	34	34	
3	TN3102 (NEW)	Division and fractions	In this module you will learn to solve problems that ask you to find a fraction of a number.	56	56	
3	TN3111 (NEW)	Using multiplication facts to learn division facts	In this module you will learn to use multiplication facts to solve different types of division problems and learn division facts.	44	44	
4	TN4010	Whole number place value	In this module you will learn to find out how many ones, tens, hundreds and thousands there are in any number.	68	68	

4	TN4020	Addition estimates	In this module you will learn to solve problems that don't need an exact answer by making numbers simpler.	39	76	
4	TN4030	Addition strategies	In this module you will learn to make numbers simpler so that you can solve addition problems in your head.	87	93	
4	TN4030S1	Addition strategies	In this module you will learn to make numbers simpler so that you can solve addition problems in your head.	81	81	
4	TN4040	Subtraction strategies	In this module you will learn to make numbers simpler so that you can solve subtraction problems in your head.	73	77	
4	TN4060	Strategies for multiplying with a single digit multiplier	In this module you will learn to multiply numbers in your head using four different strategies and estimate using tidy numbers (numbers that are easier to work with).	88	88	
4	TN4060S1	Strategies for multiplying with a single digit multiplier	In this module you will learn to multiply numbers in your head using four different strategies and estimate using tidy numbers.	89	114	
4	TN4090	Strategies for solving harder division problems	In this module you will learn different ways to solve problems that involve division.	29	43	
4	TN4100	Introduction to fractions	In this module you will learn to describe what a fraction is, compare the size of fractions and show fractions in different ways.	83	94	
4	TN4120	Finding fractions of numbers	In this module you will learn to use fractions where the amount divides easily into the parts you want.	44	50	
4	TN4140	Decimals and their relationship to whole numbers	In this module you will learn how decimals relate to whole numbers and each other and to work with numbers as small as 0.001.	86	86	
4	TN4300	Working with time	In this module you will learn to tell the time on a 12-hour and 24-hour clock, work out time intervals, carry out simple conversions for time and fill in a job record.	135	135	
5	TN5005	Percentages and fractions in catering	In this module you will learn how to find simple percentages of quantities that are represented by decimal numbers.	106	106	
5	TN5010	Connections between decimals, percentages and fractions	In this module you will learn what percentages are and how decimals, percentages and fractions are related.	121	121	

5	TN5020	Equivalent ratios	In this module you will learn to use multiplication and division strategies to solve problems that involve ratios.	26	46	
5	TN5020S1	Ratios	In this module you will learn what a ratio is and how to calculate a ratio.	39	39	
5	TN5030	Rates	In this module you will learn to solve problems with rates.	46	46	
5	TN5040	Working with factors	In this module you will learn to find the factors of numbers and use common factors to solve problems.	83	101	
5	TN5060	Decimal numbers multiplied and divided by 1,000	In this module you will learn to multiply and divide any decimal number by 1000.	49	64	
5	TN5065	Triangles 1	In this module you will recognise different types of triangles and learn to work out an angle of a triangle if you know the two other angles.	23	23	
5	TN5070	Measuring length	In this module you will learn which measurement units are appropriate for tasks you may do and how to convert between mm, cm, m and km.	49	49	
5	TN5070S1 NEW	Finding volumes	In this module you will learn the links between area and volume and how to calculate and estimate volumes.	58	65	
5	TN5070S2	Measuring weight	In this module you will learn which measurement units are appropriate when weighing different things and how to convert between tonnes, kilograms and grams.	47	47	
5	TN5075	Squares and square roots	In this module you will learn to square numbers and find the square roots of numbers.	37	37	
5	TN5080	Multiplication estimates	In this module you will learn to make good estimates of answers to multiplication problems and use estimates to check if your answers to calculations are reasonable.	69	69	
5	TN5090	Strategies for multiplying	In this module you will learn to solve multiplication problems by splitting the numbers into tens and ones.	35	67	
5	TN5100	Approximation and rounding	In this module you will learn what it means to make a reasonable approximation, how to judge when place values are significant or insignificant and how to use rounding to make useful approximations for quantities.	61	61	

5	TN5120	Finding the median and range	In this module you will learn to find the median of a set of numbers and find the range of a set of numbers.	69	69	
	TN6010	Using averages	In this module you will learn to work out the mean (average) of a set of numbers.	56	56	
	TN6020	Harder rates	In this module you will learn to solve rate problems by finding the unit rate, use common factors to simplify rates and solve rates problems and show rates on graphs.	45	45	
	TN6040	Calculating harder percentages using a calculator correctly	In this module you will learn to use a calculator correctly to calculate percentages of quantities and make estimations that will confirm whether your calculations are likely to be correct.	79	92	
	TN6045	Multiplying by decimals	In this module you will use a calculator to solve problems that involve decimal numbers and use your estimation skills to check if your answers are reasonable.	49	49	
	TN6060	Rate problems - converting imperial to metric measures	In this module you will learn how to convert traditional measures into metric measures and solve rate problems.	61	61	
	TN6070	Areas of rectangles, triangles and circles	In this module you will learn how to find the areas of rectangles and squares, triangles, and circles.	82	82	
	TN6070S1	Areas of roundabouts	In this module you will learn how to find the areas of roundabouts and shapes with curved ends.	101	101	
	TN6070S2	Perimeters	In this module you will learn to work out perimeters of squares, rectangles, circles and other shapes.	30	30	
	TN6080	Triangles 2	In this module you will learn to work out the length of one of the sides of a right-angled triangle, if you know the other two sides.	52	68	
	TN6080S1	Triangles 3	In this module you will learn when and how to use sine ratios to calculate side lengths and the size of angles.	32	32	
	TN6080S2	Triangles 4	In this module you will learn when and how to use cosine ratios to calculate side lengths and the size of angles.	23	23	
	TN6080S3	Triangles 5	In this module you will learn when and how to use tangent ratios to calculate side lengths and the size of angles.	25	25	
	TN6080S4	Triangles 6	In this module you will practise identifying and solving problems involving the sine, cosine and tangent ratios.	51	51	

				<b>3110</b>	<b>3376</b>	
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