

S2 Unit 1 Topics (2018 - 19)

- Patterns and relationships
- Ideas of chance and uncertainty
- Fractions, decimals and percentages
- Expressions and Equations (Equations and Inequalities)

Level 2	Level 3	Level 4
Patterns and Relationships <ul style="list-style-type: none"> • MTH 2-13a 	Patterns and Relationships <ul style="list-style-type: none"> • MTH 3-13a • MTH 3-15b 	Patterns and Relationships <ul style="list-style-type: none"> • MTH 4-13a
Use knowledge of times tables, square and triangular numbers to generate patterns. Explain and use a rule to extend well-known number sequences e.g. Square, triangular, Fibonacci.	Use a rule to generate a sequence. Extend a pattern and write a rule in words. Write the rule using algebraic notation. Use the rule to find subsequent terms (evaluating)	Find a rule for the nth term in a number sequence and use it to find the value of other terms.
Ideas of Chance and Uncertainty <ul style="list-style-type: none"> • MNU 2-22a 	Ideas of Chance and Uncertainty <ul style="list-style-type: none"> • MNU 3-22a 	Ideas of Chance and Uncertainty <ul style="list-style-type: none"> • MNU 4-22a
Use the language of probability to describe simple events eg even chance, fifty-fifty, 1 in 10, 50%, 1/10. Use simple experiments to investigate probability and predict outcome eg tossing coin etc.	Use the probability scale with fractions or decimals. Calculate the probability of simple events eg throwing an even number on a dice. Use probability to calculate expectation.	Use probability to predict how likely an event is. Calculate probability and expectation.
Fractions, Decimal Fractions and Percentages <ul style="list-style-type: none"> • MNU 2-07a • MNU 2-07b • MNU 2-03b 	Fractions, Decimal Fractions and Percentages <ul style="list-style-type: none"> • MNU 3-07a • MNU 3-07b • MNU 3-08a 	Fractions, Decimal Fractions and Percentages <ul style="list-style-type: none"> • MNU 4-07a • MTH 4-07b • MNU 4-08a
Equivalence of simple fractions, decimals, percentages. Simplify fractions. Equivalent fractions. Order fractions. Solve problems involving calculation of simple	Equivalent F/D/P. Calculate a fraction or a percentage of a quantity with or without a calculator. Convert between mixed numbers and improper fractions.	Use most appropriate version of equivalent F/D/P in calculations. Add, subtract and multiply fractions and mixed numbers. Calculate percentage increase and decrease.

fraction or a percentage of a quantity. Adding and subtracting to and from decimals to 2dp	Find equivalent and simplify fractions. Add and subtract fractions and mixed numbers. Write and simplify ratios. Solve problems using direct proportion.	Solve problems using direct and inverse proportion.
Expressions and Equations • MTH 2-15a	Expressions and Equations • MTH 3-15a	Expressions and Equations • MTH 4-15a
Solve simple one-step equations eg $4x=20$, $x+3=8$	Solve two-step equations. Construct linear equation to solve a simple problem.	Construct and solve equations. Construct and solve inequalities.
Revision and Test 1	Revision and Test 1	Revision and Test 1