

# BUILDING BLOCKS

## INTEGERS

7003	Add and Subtract – Number line		
7004	Add and Subtract – Biggest sign		
7005	Multiply and Divide		

## BODMAS

7006	$\times + - \dots$ MAS		
7007	$\div \times + - \dots$ DMAS		
7008	<i>of</i> $\div \times + - \dots$ ODMAS		
7009	( ) <i>of</i> $\div \times + - \dots$ BODMAS		

### MINI TEST:

Integers and BODMAS

## FRACTIONS

7019	Equivalent Fractions		
7020	Mixed and Improper Fractions		
7021	Addition and Subtraction Basics		
7022	Adding and Subtracting Fractions		
7023	Multiply and Divide Basics		
7024	Multiplying and Dividing Fractions		
7025	Combined		

### MINI TEST:

Fractions

www.refractions.co.za

## ALGEBRA

8080	Using Algebra		
	Expressions and Definitions:		
8081	Terms and Factors		
8082	Constants and Variables		
8083	Coefficients and Exponents		
8084	Adding and Subtracting Terms		
8085	Multiplying Terms		
8086	Combined Multiplication and Addition		
8087	Products: Brackets		
8088	Products: Brackets and Simplify		
8089	Adding and Subtracting Expressions		
8090	Substitution		
8091	Algebraic Fractions: Numerator One Term		
8092	Algebraic Fractions: Numerator Multiple Terms		
8093	Squaring Expressions		
8094	Cubes and Roots of Expressions		

### MINI TEST:

Algebra



## FOUNDATIONS FOR GRADE 11

## PRODUCTS

1001	Recap		
1002	(2 terms)(2 terms)		
1003	(2 terms)(3 terms)		

## FACTORISATION

1004	Common Factor		
1005	2 Terms: Difference of Squares		
1006	2 Terms: Sum/Diff of Cubes		
1007	3 Terms: Easy Quadratic		
1008	3 Terms: Harder Quadratic		
1009	4 Terms: Grouping (Already Grouped)		
1010	4 Terms: Grouping		
1011	4 Terms: Grouping (Rearrange First)		
1012	Summary and identifying with terms		
1013	Combined		

### MINI TEST:

Products and Factorisation

# BUILDING BLOCKS

[www.refractions.co.za](http://www.refractions.co.za)

# FOUNDATIONS FOR GRADE 11

## ALGEBRAIC FRACTIONS

1016	Introduction ( $\times \div$ and $+ -$ )		
1017	Multiplying Fractions		
1018	Adding Fractions		
1019	Addition and Multiplication		

**MINI TEST:**  
Algebraic Fractions

## EQUATIONS

1027	Linear		
1028	Linear with Fractions		
1029	Exponential		
1030	Quadratic		
1031	Simultaneous: Elimination		
1032	Simultaneous: Substitution		
1033	Literal (Changing Subject of Formula)		

## EXPONENTS

1022	Introduction and Summary		
1023	Laws & Special Cases		
1024	Addition and Subtraction (Multiple Terms)		
1025	Multiplication (Single Term)		

**MINI TEST:**  
Exponents

## INEQUALITIES

1035	Recap: Number System and Notation		
1036	Lines to Notation		
1037	Notation to Lines		
1038	Solving Inequalities		

**MINI TEST:**  
Equations and Inequalities

