

BUILDING BLOCKS

www.refractions.co.za

GRADE 9

EXPONENTS

9001	Terms and Laws		
9002	Complex sums		
9003	Scientific Notation		

MINI TEST:
Exponents

PRODUCTS

9004	Multiplying Terms		
9005	Multiplying out brackets		
9006	Products of brackets		
9007	Bracket squared		
9008	Complex Sums		

FACTORISATION

9010	Common Factor		
9011	Difference of Squares		
9012	Trinomials		
9013	Grouping		
9014	Combined		

MINI TEST:
Products and Factorisation

ALGEBRAIC FRACTIONS

9016	Recap: Numerator Single and Multiple Terms		
9017	Using Factorisation: Simple		
9018	Using Factorisation: Multiple Factors		

MINI TEST:
Algebraic Fractions

EQUATIONS

9020	Linear with Fractions		
9021	Quadratic: Already Factored		
9022	Quadratic: With Factorisation		
9023	Exponential		

MINI TEST:
Equations

STRAIGHT LINES

9024	Plotting Points (Understanding Cartesian)		
9025	Plotting Straight Lines		
9026	Standard Form		
9027	Special Lines: $x = c, y = c$		
9028	Gradient		
9029	Parallel and Perpendicular Lines		
9030	Find Equation: Two Points		
9031	Find Equation: Point and y-intercept		
9032	Sketching Graph: gradient-intercept method		
9033	Sketching Graph: dual-intercept method		

MINI TEST:
Straight Lines

