

BUILDING BLOCKS

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FOUNDATIONS FOR GRADE 9

INTEGERS

7001	Add		
7002	Subtract		
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

CONVERSION

7010	Length		
7011	Mass		

ROUNDING OFF

7012	Nearest 10, 100, 1000		
7013	Decimal Places		

FACTORS AND MULTIPLES

7014	Prime Factorisation		
7015	Factors		
7016	Lowest Common Multiple		
7017	Highest Common Factor		

MINI TEST:
Conversions, Rounding off,
Factors and Multiples.

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



DECIMALS

7026	Add and Subtract		
7027	Multiply		
7028	Divide		
7029	Multiply and Divide by 10, 100, 1000		

EQUIVALENT FORMS

7032	Fraction \rightarrow Decimal		
7033	Fraction \rightarrow Percentage		
7034	Decimal \rightarrow Fraction		
7035	Decimal \rightarrow Percentage		
7036	Percentage \rightarrow Fraction		
7037	Percentage \rightarrow Decimal		

PERCENTAGES

7039	Percentage of a number		
7040	Increase number with percentage		
7041	Decrease number with percentage		
7042	Percentage Increase/Decrease		

MINI TEST:
Decimals, Equivalent Forms and
Percentages

BUILDING BLOCKS

EXPONENTS

7045	Definitions and General cases		
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SQUARES

7047	Basics		
7048	Square roots		
7049	Calculations		

CUBES

7051	Basics		
7052	Cube roots		
7053	Calculations		

MINI TEST:

Exponents, Squares and Cubes

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NUMBER SYSTEMS

8001	Classifying Numbers		
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MINI TEST:

Number Systems

EXPONENTS

8003	Recap		
8004	Multiplying same base		
8005	Dividing same base		
8006	Raising the power to a power		

SCIENTIFIC NOTATION

8008	Large Numbers		
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MINI TEST:

Exponents and Scientific Notation



FOUNDATIONS FOR GRADE 9

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

EQUATIONS

8026	Add and Subtract		
8027	Divide both sides		
8028	Multiply both sides		
8029	Cross multiplication		
8030	General		
8031	Brackets		

MINI TEST:

Equations