

MATHEMATICS - GRADE 8 2020

TOPIC	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS
PHASE 1 (15 January 2020 – 20 March 2020)		
Numbers, Operations and relationships	Multiples and factors	☞ Task 1 Assignment – Fractions, HCF, LCM, integers 10 – 14 Feb
	Integers	
	Fractions	
	Additive and multiplicative inverses	
Techniques, Strategies in calculations	Exponents: laws, simple calculations, scientific notation	☞ Task 2 March control test: 9 – 20 March
	Calculator usage, rounding, estimation	
	Multiple operations	
Algebra	Introduction	
PHASE 2 (31 March 2020 – 12 June 2020)		
Patterns, Functions, Algebra	Classification of like and unlike terms	☞ Task 3 Investigation – Patterns, Functions and Algebra: 4 – 8 May
	Addition and subtraction	
	Multiplying and dividing monomials	
	Simplification with brackets	
	Expressions: simplification and combined operations	
Equations	Solving by: inspection, trial and improvement, algebra	☞ Task 4 Control test: 28 – 30 Apr
	Checking roots by substitution	
Space and shape: Geometry	Intersecting, parallel and perpendicular lines	☞ Task 5 June Exams: 1 – 12 Jun
PHASE 3 (7 July 2020 – 30 October 2020)		
Space and shape: Lengths, perimeter and area	Triangles: types and side and angle relationships	☞ Task 6 Project – Constructions : 20 – 24 July
	Theorem of Pythagoras	
	Quadrilaterals and other polygons	
	Circles	
	Estimation and calculators	
	Relevant unit conversions	
Data Handling	Collection, Central tendencies, graphical representations and analysis	☞ Task 7 Investigation – data handling: 27 – 31 July
Graphs	Drawing graphs	☞ Task 8 Revision assignment: 3 – 7 Aug
	Recognising linear vs non-linear and discrete vs continuous	
	Use of terms: maximum, minimum, increasing, decreasing	
Transformations	Defining: translation, rotation, reflection	☞ Task 9 Controlled Test 31 Aug – 4 Sept
	Using symmetry to investigate geometric figures	
Financial calculations	Profit and loss	☞ Task 10 Revision assignment: 29 Sept – 2 Oct
	Simple interest, loans, hire-purchase	
Consolidation	Revision of all assessment standards	☞ Task 11 October Exam

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