

Grade 7 : Mathematics June Examination 2015
Memorandum
Exemplar Paper 2

General marking note:

1. Give full marks for answers only, unless otherwise stated.
2. Accept any alternative correct solution that is not included in the memorandum.
3. Apply CA when applicable.

Section A			
		Clarification	Mark
1.	B✓		1
2.	A✓		1
3.	D✓		1
4.	D✓		1
5.	C✓		1
			5
Section B			
1.1.1	Line segment✓		1
1.1.2	Parallel lines✓		1
1.1.3	Ray✓		1
1.1.4	Perpendicular lines✓		1
1.1.5	Straight line✓		1
1.2.1	Isosceles✓		1
1.2.2	Scalene✓		1
1.3.1	Kite✓		1
1.3.2	EF = 350 mm✓; GH = 160 mm✓		2
1.4.1	AB – chord✓		1
1.4.2	CD – Diameter✓		1
1.4.3	OD - radius✓		1
1.5	7,5 cm✓		1
1.6.1	Angle AEC = 137°✓		1
1.6.2	Angle BEA = 58°✓		1
			16
2.1	BC AG or BG FC or BC GF✓		1
2.2	CA ⊥ BD or BC ⊥ GF✓ or CE ⊥ AB ✓		1
2.3.1	acute✓		1
2.3.2	obtuse✓		1
2.3.3	reflex✓		1
2.4	360°✓ - (90 + 75 + 68) ✓ = 360 – 233 = 127°✓		3
2.5	180° - (45 + 31) ✓ = 104°✓		2
			10
3.1	a- 6 ✓ ; b – 12✓ ; c - 8✓		3
3.2.1	(20 cm + 10 cm) × 2 = 60 cm ✓✓		2
3.2.2	(400✓ + 173✓ + 346 ✓) cm = 919 cm✓		4
3.2.3	L × b × h ✓ = 1730 cm ³ ✓		2
			11

4.1	Area = $s \times s \checkmark = 36 \text{ cm}^2 \checkmark$		2
4.2	$\frac{1}{2} \times b \times h \checkmark = 27 \text{ cm}^2 \checkmark$		2
4.3	$189 \checkmark \checkmark - (36 + 27) = 126 \text{ cm}^2 \checkmark \checkmark$		4
			8
		Total	50