Bergvliet High School

GRADE 10

Mathematical Literacy Paper 2

MARKS: 75 **TIME: 1,5 HOURS**

EXAMINER: BL Siljeur **MODERATOR: P Furstenburg**

NAME: MEMO **TEACHER: FG / SJ / WN**

QUESTION	MARK	LEARNERS MARK
Q 1	**17**	**17**
Q 2	**21**	**21**
Q 3	**15**	**15**
Q 4	**10**	**10**
Q 5	**12**	**12**
Total	**75**	**75 / 75**

INSTRUCTIONS AND INFORMATION

1. Answer ALL questions in the answer booklet provided.
2. Show ALL calculations clearly.
3. Round off ALL final answers to **two decimal places**, unless stated otherwise.
4. Indicate units of measurement where applicable
5. Write neatly and legibly.

QUESTION 1

1.1.1	(383 263 ÷ 898 221) ✓ x 100✓ = 42,67✓	3
1.1.2	A downward trend from 2014 to 2017✓ and an increase in 2018. ✓	2
1.1.3	A drought ✓✓Any acceptable answer.	2
1.1.4	4 ✓÷ 6✓ = 0,667✓	3
1.2	R = 165,2 ÷ 2 = 82,6 cm✓ 82,6 ÷ 100 = 0,826 m 150 cm ÷ 100 = 1,5 m✓ V = 3.142 x 0,826 x 0,826 x 1,5✓ V = 3,2156 m^3✓ 3,2156. 62 x 1000✓ litres = 3215,57 litres✓ Yes, Mervyn was correct.✓	7

QUESTION 2

2.1.1	P = 4 + 4 + 8 + 8 ✓ P = 24 m ✓	2
2.1.2	Length = 10 m + 6 m + 10 m + 6 m ✓ Length = 32 m ✓	2
2.1.3	Area = 4 x 8 ✓ Area = 32 ✓ m² ✓	3
2.1.4	Cost of fence = 32 x R250 ✓ = R8000 ✓	2
2.1.5	Cost of netting = 32 x R199,99 ✓ = R6399,68 ✓	2
		1
2.1	Area = (7 x 6) ✓+ (3x8) ✓+ (2x6) ✓ = 42 + 24 + 12✓ = 78 units²✓ or A = (3x2) + (12x6) = 6 + 72 = 78 units²	5
2.2	$x^2 = h^2 - y^2$ $= 13^2 - 5^2$✓ = 169 – 25✓ x = √144 x = 12✓ 13 + 12 + 5 ✓= 30 units✓	5
		21

QUESTION 3

3.1	Ground floor. ✓✓	2
3.2	2✓✓	2
3.3	North East✓✓	2
3.4	English Department ✓✓	2
3.5	From the main entrance head towards reception. ✓ At the Principals office turn right. ✓ Pass the English Department. ✓ The Interview room is opposite the library. ✓	4
3.6	Soccer field ✓with any acceptable reason. ✓✓	3
		15

QUESTION 4

4.1	$\frac{1}{3}$ x 60✓ = 20 minutes✓	2
4.2	80g✓✓	2
4.3	12,5 ml✓✓	2
4.4	4 cups✓✓	2
4.5	1 kg✓✓	2
		10

QUESTION 5

5.1	6,86 x 3 ✓ = 20,58 ✓ 20,58 ≈ 21 cm ✓	3
5.2	21 x 3 ✓ = 63 ✓ The height of the box is 52,5 cm. ✓ The statement is not true. ✓	4
5.3	6,86 ÷ 2 ✓ = 3,43 cm ✓ 3,43 x 10 ✓ = 34,3 ✓ mm ≈ 34 mm ✓	5
		12