

**NAME OF SCHOOL**

# CYCLE TEST

**TERM 1**

**D9 JE**

**GRADE 9**

MATHEMATICS

MEMORANDUM

# 2014

# SCHOOL BASED ASSESSMENT TASK

# MARKS: 50

# WEIGHTED MARK: 10

# SUGGESTED TIME: 1 hour

# TERM 1: Investigation

**INVESTIGATION**

**MARKS: 50 EXAMINER :**

**TIME: 1 hour MODERATOR:**

**This question paper consists of 7 pages**

|  |  |  |  |
| --- | --- | --- | --- |
| **QUESTION 1** | | |  |
| 1.1 | C | | (1) |
| 1.2 | B | | (1) |
| 1.3 | D | | (1) |
| 1.4 | A | | (1) |
| 1.5 | C | | (1) |
| 1.6 | C | | (1) |
| 1.7 | C | | (1) |
| 1.8 | D | | (1) |
| 1.9 | B | | (1) |
| 1.10 | C | | (1) |
|  |  | | **[10]** |
| **QUESTION 2** | | |  |
|  | Simplify: | |  |
| 2. 1 |  | | (3) |
| 2.2 |  | | (3) |
| 2.3 |  | |  |
| 2.3.1 |  | | (4) |
| 2.3.2 |  | | (3) |
| 2.3.3 |  | | (3) |
|  |  | | **[16]** |
| **QUESTION 3** | | |  |
| 3.1 | litres | | (3) |
| 3.2 |  | | (3) |
| 3.3 | million | | (2) |
| 3.4 |  | |  |
| 3.4.1 |  | | (3) |
| 3.4.2 | Total amount | | (2) |
|  |  | | **[13]** |
| **QUESTION 4** | | |  |
| 4.1 |  | |  |
|  | 4.1.1 | 4  2  -2  -14 | (4) |
|  | 4.1.2 |  | (2)  *x-int*  *y-int* |
|  | 4.2.1 |  | (2) |
|  | 4.2.2 | |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | -2 | -1 | 0 | 1 | 2 |  | 4 |  | 15 |  | 28 | |  | 1 | 3 | 5 | 7 | 9 |  | 13 |  | 35 |  | 61 | | (3) |
|  |  |  |  |
|  |  |  | **[11]** |
|  | | | |
|  | **TOTAL:** | | **50** |