

**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: 75 EXAMINER :**

**TIME: 1 hour MODERATOR:**

**This question paper consists of 5 pages**

**NAME :**

**GRADE 9 :**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **QUESTION 1** | |  |
| Choose the correct answers | | |  |
| 1.1 | B | | (1) |
| 1.2 | B | | (1) |
| 1.3 | C | | (1) |
| 1.4 | B | | (1) |
| 1.5 | A | | (1) |
| 1.6 | B | | (1) |
| 1.7 | B | | (1) |
| 1.8 | B | | (1) |
| 1.9 | C | | (1) |
| 1.10 | D | | (1) |
|  |  | | [10] |
| **QUESTION 2** | | |  |
|  | 2.1.1 |  | (3) |
|  | 2.1.2 | ) | (3) |
| 2.2 |  | | (4) |
|  | 2.3.1 |  | (3) |
|  | 2.3.2 |  | (4) |
|  | 2.3.3 |  | (4) |
|  |  | | **[21]** |
| QUESTION 3 | | | |
| 3.1.1 |  | | (4) |
| 3.1.2 |  | | (4) |
| 3.1.3 |  | | (4) |
|  |  | | **[12]** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **QUESTION 4** | | | |  |
| 4.1 | and | | | (2) |
| 4.2 | It takes 5 men 45 hours  It will take 1 man 45 hours 5 225 hours  For 9 men it will take hours  **OR**  **5 men 45 hours**  **9 men 45 hours**  25 hours | | | (2) |
| 4.3 | Total distance = speed time  0,5 hour 5 km/h  2,5 km  Av. Speed  10 km/h | | | (3) |
| 4.4 | Price  R217,50 | | | (2) |
| 4.5 | 4 years | | | (4) |
| 4.6 | R8074,92 | | | (3) |
|  |  | | | **[16]** |
|  | **QUESTION 5** | | |  |
| 5.1.1 |  | | | (3) |
| 5.1.2 | There is a common difference of three between two consecutive terms. | | | (1) |
| 5.1.3 |  | | | (2) |
| 5.1.4 |  | | | (2) |
|  | 5.2.1 |  | | (4) |
|  | 5.2.2 |  | | (2)  1 mark for x-int and  1mark for  y-int. |
|  | 5.2.3 | It is an increasing function: When x-values increase, y-values increase | | (2) |
|  |  | | | **[16]** |
|  | **TOTAL** | | **75 Marks** | |