

## GAUTENG DEPARTMENT OF EDUCATION

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| **LEARNER’S NAME & SURNAME** | **:** |  |
| **SUBJECT** | **:** | **MATHEMATICS** |
| **GRADE** | **:** | **7** |
| **TASK** | **:** | **ASSIGNMENT 2** |
| **TIME** | **:** | **2 HOURS** |
| **MARKS** | **:** | **50** |

**This assessment task consists of 5 pages**

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| INSTRUCTIONS |  |  |

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| 1. | This Question Paper consists of 4 questions and 6 pages. Answer ALL Questions. |  |  |

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| |  |  | | --- | --- | | 2. | Read through the questions carefully and make sure that you allocate enough time for each question. | |  |  |  |

3. Calculators are not allowed.

4. Show all calculations

5. It is at your best interest to write neatly and legibly

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**QUESTION 1: Prime numbers, Ordering, Rounding off, LCM, HCF, Multiples and prime factors**

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| 1.1 | List the prime numbers smaller than | 3 |
| 1.2 | Fill in the with : | 2 |
| 1.3 | Round off to the nearest: | 2 |
| 1.4 | Write down the multiples and find the LCM of the following:  **LCM**: | 4 |
| 1.5 | Write the numbers and as the product of their prime factors and find the HCF:  **HCF =** | 5 |

**[16]**

**QUESTION 2: Ratio, Rate, Interest and Cost price**

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| --- | --- | --- |
| 2.1 | The medal Thembi won for athletics consists of silver and brass in the ratio . If the medal has a mass of , calculate the mass of the silver. | 2 |
| 2.2 | A car travels for and covers a distance of . How long will the car take to cover a distance of at the same constant average speed? | 2 |
| 2.3 | Calculate the interest you will receive after one year for an investment of at an interest rate of per year. | 2 |
| 2.4 | A trader bought a screwdriver set for He added to the cost price for profit and expenses. Calculate the amount a customer will pay for the screwdriver set. | 3 |

**[09]**

**QUESTION 3: Exponents**

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| --- | --- | --- |
| 3.1 | Write these numbers in their simplest form: | 3 |
| 3.2 | Write the following in exponential form: | 2 |
| 3.3 | Write the following in expanded form: | 3 |

**[08]**

**QUESTION 4: Exponents**

|  |  |  |
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| 4.1 | Simplify |  |
| 4.1.1 |  | 2 |
| 4.1.2 |  | 2 |
| 4.1.3 |  | 2 |
| 4.1.4 |  | 2 |
| 4.1.5 |  | 2 |
| 4.1.6 |  | 2 |

**[12]**