**TEST ITEM 4**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme:** Mela | **Class:** VIII  **Expected Time:** 6 min.  **Total Credit: 8** |
| **Desciption of the item:**Text and image | **Learning outcome:** Able to Frame the equation and apply it to solve daily life problem | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Social |
| Item format | Closed constructed response |
| Cognitive Process | Interpret, Formulate, Employ and Evaluate |
| Proficiency Level | Level II |

**Description of Answer Key and credits:**

|  |
| --- |
| **4.1 Full Credit: Rs. 80**  **Partial Credit :** For framing correct equation only  **No Credit:**For any other response  **4.2**  **Full Credit:**- Rs. 100  **No Credit:**For any other response  **4.3**  **Full Credit:**100:80 or 5:4  **No Credit:**For any other response  **4.4**  **Full Credit:** Periodic, Oscillatory or circular motion  **No Credit:**For any response related to non-periodic motion |

**TEST ITEM 5**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme:PARKING AREA** | **Class:** VIII  **Expected Time:**8 min.  **Total Credit: 8** |
| **Desciption of the item:**Text and image | **Learning outcome:** Able to Frame the equation and apply it to solve daily life problem | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Social |
| Item format | Closed constructed response |
| Cognitive Process | Interpret, Formulate and evaluate |
| Proficiency Level | Level II |

**Description of Answer Key and credits:**

|  |
| --- |
| **5.1**  **Full Credit:**4 hours  **No Credit:**For any other response  **5.2**  **Full Credit:**- Rs.70  **No Credit:** For any other response  **5.3**  **Full Credit:**Rs. 20  **No Credit:**For any other response  **5.4**  **Full Credit:** Scheme of converting the parking area wholly for scooters will be more profitable.  **No Credit:**For any other response |

**TEST ITEM 6**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme:FARMING** | **Class:** VIII  **Expected Time:**8 min.  **Total Credit: 8** |
| **Desciption of the item:**Text | **Learning outcome:** Able to Frame the equation and apply it to solve daily life problem | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Social |
| Item format | Open &Closed constructed response |
| Cognitive Process | Employ, Formulate and evaluate |
| Proficiency Level | Level III |

**Description of Answer Key and credits:**

|  |
| --- |
| **6.1**  **Full Credit:**Rs. 48500  **No Credit:**For any other response  **6.2**  **Full Credit:**- y=2500+11500x  **No Credit:** For any other response  **6.3**  **Full Credit:**Becausethe soil become loose.  **No Credit:**For any other response  **6.4**  **Full Credit:** The offer given in the slab will be cheaper.  **No Credit:**For any other response |

**TEST ITEM 2**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme:** Playground | **Class:** VIII  **Expected Time:**8 min.  **Total Credit: 8** |
| **Desciption of the item:** Text and image | **Learning outcome:** Able to form equations from any give situation and apply it for solving daily life problems. | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Social |
| Item format | Closed costructed response |
| Cognitive Process | Formulate and evaluate |
| Proficiency Level | Level 2 |

**Description of Answer Key and credits:**

|  |
| --- |
| **2.1**  **Full Credit:**2(x + x) = 630  **No Credit:**For any other response  **2.2**  **Full Credit:**- 3969  **No Credit:** For any other response  **2.3**  **Full Credit:**8600  **No Credit:**For any other response  **2.4**  **Full Credit:** 15876  **No Credit:**For any other response |

**TEST ITEM 3**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme:** WORKSHOP | **Class:** VIII  **Expected Time:**6 min.  **Total Credit: 8** |
| **Desciption of the item:** Text | **Learning outcome:** Able to form equations from any give situation and solve it. | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Social |
| Item format | Closed costructed response |
| Cognitive Process | Formulate and evaluate |
| Proficiency Level | Level 2 |

**Description of Answer Key and credits:**

|  |
| --- |
| **3.1**  **Full Credit: 10**  **No Credit:**For any other response  **3.2**  **Full Credit:**- 13500  **No Credit:** For any other response  **3.3**  **Full Credit:**length 25m, breadth 5m  **Partial Credit:** Any one correct answer.  **No Credit:**For any other response  **3.4**  **Full Credit:** 10  **No Credit:**For any other response |

**TEST ITEM 4**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme:**SELLING HALF OF AN EGG BUT NOT BOILED! | **Class:** VIII  **Expected Time:**10 min.  **Total Credit: 8** |
| **Desciption of the item:**Text | **Learning outcome:** Able to employ, formulate and evaluate | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Social |
| Item format | Closed costructed response |
| Cognitive Process | Formulate and evaluate |
| Proficiency Level | Level 4 |

**Description of Answer Key and credits:**

|  |
| --- |
| **4.1**  **Full Credit**: Forframing equation and getting number of eggs = 7  **No Credit:**For any other response  **4.2**  **Full Credit:**- For getting Correct Answer i.e number of eggs =7 by any other method  **No Credit:** For any other response  **4.3**  **Full Credit:**Yes, It is 4,2,1.  **No Credit:**For any other response  **4.4**  **Full Credit:** number of eggs = 31  **No Credit:**For any other response |

**TEST ITEM 2**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme: Who is older** | **Class:** VIII  **Expected Time:**6 min.  **Total Credit: 8** |
| **Desciption of the item:** Text | **Learning outcome:** able to frame the equation and solve it. | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Personal |
| Item format | Closed constructed response |
| Cognitive Process | Formulate and evaluate |
| Proficiency Level | Level II |

**Description of Answer Key and credits:**

|  |
| --- |
| **2.1**  **Full Credit:**25 years  **Partial Credit:** for getting answer as 14 years  **No Credit:**For any other response  **2.2**  **Full Credit:**- 36 years  **No Credit:** For any other response  **2.3**  **Full Credit:**74 years  **No Credit:**For any other response  **2.4 Full Credit:** 20 years  **No Credit:**For any other response |

**TEST ITEM 3**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme:** Fruit Market | **Class:** VIII  **Expected Time:**8 min.  **Total Credit: 8** |
| **Desciption of the item:**Text | **Learning outcome:** Able to Frame the equation and apply it to solve daily life problem | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Social |
| Item format | Closed constructed response |
| Cognitive Process | Formulate and evaluate |
| Proficiency Level | Level II |

**Description of Answer Key and credits:**

|  |
| --- |
| **3.1**  **Full Credit:**42 bananas  **No Credit:**For any other response  **3.2**  **Full Credit:**- No  **No Credit:** For any other response  **3.3**  **Full Credit:**42:13  **No Credit:**For any other response  **3.4**  **Full Credit:**Lichi  **No Credit:**For any other response |

**TEST ITEM 6**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme:**TRAVELLING | **Class:** VIII  **Expected Time:**9 min.  **Total Credit: 8** |
| **Desciption of the item:** Text | **Learning outcome:** Able to form equations from any give situation and apply it for solving daily life problems. | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Social |
| Item format | Closed costructed response |
| Cognitive Process | Formulate and evaluate |
| Proficiency Level | Level 3 |

**Description of Answer Key and credits:**

|  |
| --- |
| **6.1**  **Full Credit:** 50 kmph  **No Credit:**For any other response  **6.2**  **Full Credit:**- 200 km  **No Credit:** For any other response  **6.3**  **Full Credit:**12 hrs  **No Credit:**For any other response  **6.4**  **Full Credit:** Rupees 200  **No Credit:**For any other response |

**TEST ITEM 3**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme: Two Friends guessing age while dealing with Car!** | **Class:** VIII  **Expected Time:**8 min.  **Total Credit: 8** |
| **Desciption of the item:**Text and image | **Learning outcome:** Able to Frame the equation and to solve it | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Personal |
| Item format | Closed constructed response |
| Cognitive Process | Formulate and evaluate |
| Proficiency Level | Level II |

**Description of Answer Key and credits:**

|  |
| --- |
| **3.1 Full Credit:**10 years  **No Credit:**For any other response  **3.2**  **Full Credit:**- 35 years  **No Credit:** For any other response  **3.3**  **Full Credit:**30 years  **No Credit:**For any other response  **3.4**  **Full Credit:** Rs. 25000  **No Credit:**For any other response |

**TEST ITEM 4**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme:**Number Game | **Class:** VIII  **Expected Time:**8 min.  **Total Credit: 8** |
| **Desciption of the item:**Text | **Learning outcome:**Able to formulate and evaluate | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Personal |
| Item format | Closed costructed response |
| Cognitive Process | Formulate and evaluate |
| Proficiency Level | Level 2 |

**Description of Answer Key and credits:**

|  |
| --- |
| **4.1**  **Full Credit:**6(x – 2/3) + 8 = 7x, the number thought of = 4  **Partial Credit:** Equation is correct  **No Credit:**For any other response  **4.2**  **Full Credit:**- 1  **No Credit:** For any other response  **4.3**  **Full Credit:**4 – (- 1) = 5  **Partial Credit:** - 1 – 4 = - 5  **No Credit:**For any other response  **4.4**  **Full Credit:** 100  **No Credit:**For any other response |

**TEST ITEM 5**

**TEMPLATE FOR PREPARATION OF PRACTICE ITEMS FOR MATHEMATICAL LITERACY:**

|  |  |  |
| --- | --- | --- |
| **Domain:**Mathematical Literacy | **Theme:**PICNIC | **Class:** VIII  **Expected Time:**8 min.  **Total Credit: 8** |
| **Desciption of the item:**Text | **Learning outcome:** | |

|  |  |
| --- | --- |
| **FRAMEWORK** | **CHARACTERISTICS** |
| Competency Cluster | Connection |
| Overarching idea | Change and relationship |
| Context | Social |
| Item format | Closed constructed response |
| Cognitive Process | Formulate and evaluate |
| Proficiency Level | Level 2 |

**Description of Answer Key and credits:**

|  |
| --- |
| **5.1**  **Full Credit:**10:30 am  **No Credit:**For any other response  **5.2**  **Full Credit:**- 120 km  **No Credit:** For any other response  **5.3**  **Full Credit:**48 kmph  **No Credit:**For any other response  **5.4**  **Full Credit:** Impossible to reach the venue on time.  **No Credit:**For any other response |