Template for preparation of Practice Items for Mathematics Literacy

**Theme - 1**

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| Domain:  Mathematical Literacy | Theme: BIRDS WING SPAN  CHAPTER: Number System | Class : IX  Expected Time : 8 minutes  Total Credit: 8 |
| Description of items   |  |  | | --- | --- | |  | Text | |  | Image | |  | Table | |  | Graph | |  | Map | |  | Poem | | Learning Outcomes: applies logical reasoning in classifying real numbers, proving their properties and using them in different situations. | |

Mathematical Literacy

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| --- | --- |
| FRAMEWORK | CHARACTERISTICS |
| Competency Cluster | Connections, Reproduction |
| Overarching Idea | Quantity |
| Context | Personal |
| Item format | Short Response, MCQ |
| Cognitive Process | Evaluating, Inference |
| Proficiency Level | 3 |

Description of Answer Key and Credits:

Credit Pattern:

Full Credit: 2

Partial Credit: 1

Nil Credit: 0

BIRDS WING SPAN

1.1

Full Credit:

No Credit: other responses and missing

To answer the question correctly students have to draw on skills from the

1.2

Full Credit:

No Credit: other responses and missing

1. 3

Full Credit: Albatross

No Credit: other responses and missing

1.4

Full Credit: (B) Golden Eagle

No Credit: other responses and missing

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| Template forpreparation of Practice Items for Mathematics Literacy  Theme - **2** | | |
| Domain:  Mathematical Literacy | Theme : BIRTHDAY CELEBRATION  CHAPTER: Number System | Class : IX  Expected Time : 10 minutes  Total Credit: 8 |
| Description of items   |  |  | | --- | --- | |  | Text | |  | Image | |  | Table | |  | Graph | |  | Map | |  | Poem | | Learning Outcomes**:** Students will be able to apply logical reasoning in classifying real numbers, proving their properties and using them in different situations. | |

Mathematical Literacy

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| FRAMEWORK | CHARACTERISTICS |
| Competency Cluster | Connections, Reproduction |
| Overarching Idea | Quantity |
| Context | Personal, Educational and occupational |
| Item format | MCQ |
| Cognitive Process | Evaluating, Inference |
| Proficiency Level | 4 |

Description of Answer Key and Credits:

Credit Pattern:

Full Credit: 2

Partial Credit: 1

Nil Credit: 0

Unit-2 BIRTHDAY CELEBRATION

2.1

Full Credit: (B) 3000

No Credit: other responses and missing

2. 2

Full Credit: (D)

No Credit: other responses and missing

2. 3

Full Credit: (A) 5700

No Credit: other responses and missing

2.4

Full Credit: (B) non terminating repeating

No Credit: other responses and missing

Template forpreparation of Practice Items for Mathematics Literacy

Theme- 3

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| Domain:  Mathematical Literacy | Theme: CHEESE PIZZA  CHAPTER: Number System | Class : IX  Expected Time : 2 minutes  Total Credit: 2 |
| Description of items   |  |  | | --- | --- | |  | Text | |  | Image | |  | Table | |  | Graph | |  | Map | |  | Poem | | Learning Outcomes: applies logical reasoning in classifying real numbers, proving their properties and using them in different situations. | |

Mathematical Literacy

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| --- | --- |
| FRAMEWORK | CHARACTERISTICS |
| Competency Cluster | Connections, Reproduction |
| Overarching Idea | Quantity |
| Context | Personal, Educational and occupational |
| Item format | MCQ |
| Cognitive Process | Evaluating, Inference |
| Proficiency Level | 4 |

Description of Answer Key and Credits:

Credit Pattern:

Full Credit: 2

Partial Credit: 1

Nil Credit: 0

Unit-3 CHEESE PIZZA

3.1 Full Credit: (C)

No Credit: other responses and missing

3.2

Full Credit: (D)

No Credit: other responses and missing

3.3 Full Credit: (D)

No Credit: other responses and missing

3. 4 Full Credit: (C)

No Credit: other responses and missing

3.5 Full Credit: (A)

No Credit: other responses and missing

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| Template forpreparation of Practice Items for Mathematics Literacy  Theme - 4 | | |
| Domain:  Mathematical Literacy | Theme: VEGETABLE GARDEN  CHAPTER: Number System | Class : IX  Expected Time : 10 minutes  Total Credit: 10 |
| Description of items   |  |  | | --- | --- | |  | Text | |  | Image | |  | Table | |  | Graph | |  | Map | |  | Poem | | Learning Outcomes: applies logical reasoning in classifying real numbers, proving their properties and using them in different situations. | |

Mathematical Literacy

|  |  |
| --- | --- |
| FRAMEWORK | CHARACTERISTICS |
| Competency Cluster | Connections, Reproduction |
| Overarching Idea | Quantity |
| Context | Personal, Educational and occupational |
| Item format | Short answer, Complex MCQ |
| Cognitive Process | Evaluating, Inference |
| Proficiency Level | 3 |

Description of Answer Key and Credits:

Credit Pattern:

Full Credit: 2

Partial Credit: 1

Nil Credit: 0

Unit-4 VEGETABLE GARDEN

4. 1

Full Credit: Ritu

No Credit: other responses and missing

4.2

Full Credit:

Partial Credit: equality of ratios is correct

No Credit: other responses and missing

4.3

Full Credit: ‘No’, ‘Yes’, ‘Yes’, ‘No’

Partial Credit: if at least two responses are correct.

No Credit: other responses and missing

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| Template forpreparation of Practice Items for Mathematics Literacy  Theme - 5 | | |
| Domain:  Mathematical Literacy | Theme: PEDOMETER  CHAPTER: Number System | Class : IX  Expected Time : 10 minutes  Total Credit: 10 |
| Description of items   |  |  | | --- | --- | |  | Text | |  | Image | |  | Table | |  | Graph | |  | Map | |  | Poem | | Learning Outcomes: applies logical reasoning in classifying real numbers, proving their properties and using them in different situations. | |

Mathematical Literacy

|  |  |
| --- | --- |
| FRAMEWORK | CHARACTERISTICS |
| Competency Cluster | Connections |
| Overarching Idea | Quantity |
| Context | Personal, and occupational |
| Item format | Short answer, Complex MCQ |
| Cognitive Process | Evaluating, Inference |
| Proficiency Level | 3 |

Description of Answer Key and Credits:

Credit Pattern:

Full Credit: 2

Partial Credit: 1

Nil Credit: 0

Unit-5 PEDOMETER

5.1

Full Credit: 3 days

Partial Credit: 1 day or 2 days

No Credit: other responses and missing

5.2

Full Credit: (C) Max value = 11400, Min value = 4500

No Credit: other responses and missing

5.3

Full Credit: (A)

No Credit: other responses and missing

5.4

Full Credit: 8287 (approx.)

Partial Credit: sum of the steps =49727 and the average is incorrect

No Credit: other responses and missing

5.5

Full Credit: 712 (approx.)

Partial Credit: difference is correct

No Credit: other responses and missing

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