**MPS8:1 Pre-Formative Scoring Guide**

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| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 1. | A |  | 1 | N2C | 1 | C | Recognize and use properties to solve problems (DOK2) |

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| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 2. | D |  | 1 | N2C | 1 | B | Perform the order of operations correctly (DOK2) |

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| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 3. | B |  | 1 | A2A | 2 | A | Translate words into algebraic expressions and equations by using correct algebraic notation (DOK3) |

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| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 4. | A |  | 1 | N2C | 1 | A | Apply properties of operations to integers (DOK2) |

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| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 5. | C |  | 1 | N2C | 1 | B | Perform the order of operations correctly (DOK2) |

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| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 6. | D |  |  | N2C | 1 | C | Recognize and use properties of operations to integers. (DOK2) |

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| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 7. | C |  |  | N2C | 1 | C | Recognize and use properties of operations to integers. (DOK2) |

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| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 8. |  | x | 2 | A2A | 2 | B | Solve equations using integers (DOK3) |

Correct answer: x = 9

2 points Exemplary response; correct answer and correct work

1 point correct answer or correct work, but not both

0 point incorrect answer, incorrect work

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| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 9. |  | x | 2 | N2C | 1 | A | Apply properties of operations to integers. (DOK2) |

Correct answer : Example: 3 + (6 + 9) = (3 + 6 ) + 9

2 points Exemplary response; correct use of property, use of all three numbers

1 point 1 of the above criteria

0 point none of the above criteria

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| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 10. |  | x | 2 | N2C | 1 | A | Apply properties of operations to integers. (DOK2) |

Correct answer: Example: 4(8+1)= 4(8)+4(1)

2 points Exemplary response; correct use of property, use of all three numbers

1 point: 1 of the above criteria

0 point none of the above criteria