**MPS8:3 Summative Scoring Guide**

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| ITEM# | SR | CR  | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 1. | D |  |  |  |  |  |  |

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| ITEM# | SR | CR  | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 2. |  | X | 3 |  |  |  |  |

 x + x + 3 + 2x + 4 = 27

 4 x + 7 = 27

 4 x = 20

 X = 5, x + 3 = 8, 2 x + 4 = 14

 Answer: 5 inches, 8 inches, and 14 inches



3 points: Exemplary response; correct visual model, correct equation, and correct length and width

2 points: 2 of the above criteria correct

1 point: 1 of the above criteria correct

0 point: none of the above criteria correct

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| ITEM# | SR | CR  | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 3. |  | X | 3 |  |  |  |  |

 x + x + 1 = 39

* 1. x + 1 = 39

2 x = 38

X = 19, x + 1 = 20

Answer: 19 and 20

3 points: Exemplary response; correct equation, 19 correct, 20 correct

2 points: 2 of the above criteria correct

1 point: 1 of the above criteria correct

 0 point: none of the above criteria correct

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| 4. |  | X | 2 |  |  |  |  |

Answer: Solve: show work

 100x + -89x = 121

 11 x = 121

 X = 11

2 points: Exemplary response; correct work and correct answer

1 point: correct work or correct answer, but not both

0 point: neither work nor answer is correct

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| ITEM# | SR | CR  | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 5. |  | X | 2 | A2A |  |  |  |

$\frac{-x}{3}$= - 9

 -x = - 27

 X = 27

2 points: Exemplary response; correct steps and correct answer

1 point: Either correct answer or correct steps, but not both

1. point: Neither correct answer nor correct steps.

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| ITEM# | SR | CR  | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 6. |  | X | 2 | A2A |  |  |  |

50 x + 100 = 300

50 x = 200

X = 4 hours

3 points: Exemplary response; correct equation, steps, and correct answer

2 points: Two of the above

1 point: One of the above

1. point: None of the above criteria correct