**MPS8:3 Post-Formative Scoring Guide**

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

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



x + x + 3 x = 75

5 x = 75

X = 15

Answer: 15 cm, 15 cm, 45 cm

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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| 3. |  | X | 3 |  |  |  |  |

x + x + 1 = 9

2 x + 1 = 9

2 x = 8

X = 4

Answer: 4 and 5

3 points: Exemplary response; correct equation, 4 correct, 5 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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| ITEM# | SR | CR  | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 4.  |  | X | 2 |  |  |  |  |

Answer: Solve:

 -6 + 2x + 3x = 29

 - 6 + 5 x = 29

 5 x = 35

 X = 7

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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| 5.  |  | X | 2 | A2A |  |  |  |

 $\frac{x}{2}$= -12

X= -24

2 points: Exemplary response; correct steps and correct answer

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

0 point: Neither correct answer nor correct steps.

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

Answer: 160=20h+40; h=6 hours

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

2 points: Two of the above

1 point: One of the above

0 point: None of the above criteria correct