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| **Lesson 5 - Equivalent Equations** |

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| **Multiple Choice***Identify the choice that best completes the statement or answers the question.*  |
|  |  1.  | Which equation is represented by the model?                      mc001-1.jpg

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| --- | --- | --- | --- | --- | --- | --- | --- |
| a. | 3*n* + 5 = 2 | b. | 2*n* + 3 = 5 | c. | 5*n* + 3 = 2 | d. | 2*n* + 5 = 3 |
|  |  |  |  |  |  |  |  |

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|  |  2.  | Select the equation that is equivalent tot he equation modelled in question 1.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| a. | *n* = 1 | b. | 2*n* = 8 | c. | 2*n* = 5 | d. | *n* = 3 |

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|  |  3.  | Which equation is represented by the model?                  mc003-1.jpg

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| --- | --- | --- | --- | --- | --- | --- | --- |
| a. | 2*n* + 3 = 8 | b. | 3*n* + 8 = 2 | c. | 3*n* + 2 = 8 | d. | 8*n* + 3 = 2 |

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|  |  4.  | Select the equation that is equivalent to the equation modeled in question 3.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| a. | 3*n* = 10 | b. | *n* = 4 | c. | 3*n* = 6 | d. | *n* = 1 |

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|  |  5.  | Which equation is represented by the model?              mc005-1.jpg

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| --- | --- | --- | --- | --- | --- | --- | --- |
| a. | 3*n* = 6 | b. | 6*n*= 3 | c. | *n* = 6 | d. | *n* = 3 |

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|  |  6.  | Select the equation that is equivalent to the equation modelled in question 5.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| a. | 6*n*= 1 | b. | 3*n* + 1 = 5 | c. | *n* = 4 | d. | 3*n* + 4 = 10 |

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| **Matching**  |
|  |  |  Match the equivalent equations.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | *n* = 3 | c. | 4*n* = 8 |
| b. | 3*n* + 1 = 13 | d. | 2*n* = 22 |

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|  |  7.  | 2*n* + 1 = 5  |
|  |  8.  | 4*n*  3 = 9  |
|  |  9.  | *n* = 4  |
|  |  10.  | 5*n* = 55  |