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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   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | a. | 3*n* + 5 = 2 | b. | 2*n* + 3 = 5 | c. | 5*n* + 3 = 2 | d. | 2*n* + 5 = 3 | |  |  |  |  |  |  |  |  | |
|  | 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 | |
|  | 3. | Which equation is represented by the model?                    mc003-1.jpg   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | a. | 2*n* + 3 = 8 | b. | 3*n* + 8 = 2 | c. | 3*n* + 2 = 8 | d. | 8*n* + 3 = 2 | |
|  | 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 | |
|  | 5. | Which equation is represented by the model?                mc005-1.jpg   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | a. | 3*n* = 6 | b. | 6*n*= 3 | c. | *n* = 6 | d. | *n* = 3 | |
|  | 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 | |
| **Matching** | | |
|  |  | Match the equivalent equations.   |  |  |  |  | | --- | --- | --- | --- | | a. | *n* = 3 | c. | 4*n* = 8 | | b. | 3*n* + 1 = 13 | d. | 2*n* = 22 | |
|  | 7. | 2*n* + 1 = 5 |
|  | 8. | 4*n*  3 = 9 |
|  | 9. | *n* = 4 |
|  | 10. | 5*n* = 55 |