***Learning Targets:***

*I can evaluate a numerical or algebraic expression.*

*I can write a numerical or algebraic expression to represent a given situation.*

*I can generate equivalent expressions.*

***Mastery Scoring Sheet***

Overall score: \_\_\_\_\_\_\_\_\_\_/12 \_\_\_\_\_\_\_\_\_\_\_\_%

*Learning Target 1: I can evaluate a numerical or algebraic expression.*

Questions: 2, 6, 8

Score: \_\_\_\_\_\_\_\_\_\_\_/ 3 Circle: Met Did not meet

*Learning Target 2: I can write a numerical or algebraic expression to represent a given situation.*

Questions: 3, 5, 7

Score: \_\_\_\_\_\_\_\_\_\_\_/ 3 Circle: Met Did not meet

*Learning Target 3: I can generate equivalent expressions. .*

Questions: 1, 4, 9

Score: \_\_\_\_\_\_\_\_\_\_\_/ 3 Circle: Met Did not meet

*Short response question: (3 pt. rubric)*

Score: \_\_\_\_\_\_\_\_\_\_\_/ 3

Correct = 3 pts. Partially Correct = 1 OR 2 pts. Incorrect = 0 pts.

Notes:

***Learning Targets:***

*I can evaluate a numerical or algebraic expression.*

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*I can generate equivalent expressions.*

\_\_\_\_\_\_\_\_1. Which of the following is the factored form of the expression: 18y + 12y?

A. 2 (9y + 6) B. 3y (6y + 4) C. 6y (3 + 2) D. 9 (2xy+ 3y)

\_\_\_\_\_\_\_ 2. What is the value of the expression below?

42 – 1 + 23

A. 7 B. 13 C. 23 D. 1

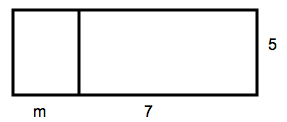
\_\_\_\_\_\_\_\_3. Which phrase is a description of 2m + 7?

A. 7 added to 2 times m B. 2 added 7 times m

C. 3 times the sum of 7 and m D. 7 times the sum of 2 and m

\_\_\_\_\_\_\_\_4. Which pair of expressions below is equivalent?

A. 7(2x) and 9x B. 3x + 5x and 15x C. 4(2x – 6) and 8x - 24 D. x + x + x + x and x4

\_\_\_\_\_\_\_\_5. Which of the following expressions represents the area of the figure below?

Remember for a rectangle, *A = lw.*

A. m(7 + 5) B. 5(7 + m)

C. 7(m + 7) D. 7m + 5

\_\_\_\_\_\_\_\_ 6. Simplify: 6y2 + 3 where y = 5

A. 153 B. 63 C. 903 D. 120

\_\_\_\_\_\_\_\_7. Kelly saves $5.00 every week. Which expression represents the amount, in dollars, Kelly will save in *w* weeks?

A. 5w B. 5 + w C. 5 – w D. 100 + 5 + w

\_\_\_\_\_\_\_\_8. Determine the value of the following expression: 7 + 2x2 where x = 4.

A. 39 B. 23 C. 69 D. 583

\_\_\_\_\_\_\_\_9. Which of the following expressions is equivalent to 6(4y + 2)?

A. 24y + 2 B. 36y C. 24y + 12 D. 10y + 8

10. Expressions A, B and C are shown below.

|  |  |  |
| --- | --- | --- |
| **A** | **B** | **C** |
| 62 – 15 + 123 | 42 + 8 | 82 + 9(8) + 23 |

Which expression or expressions is equal to 144?

***Show your work:***

Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Explain in complete sentences how you created your expression, using your math vocabulary.

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