***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: 18xy + 12y?

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

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

[3(42 + 1)] - 23

A. 19 B. 45 C. 43 D. 21

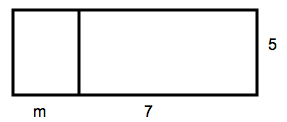
\_\_\_\_\_\_\_\_3. Which phrase is a description of 2m + 7?

A. 7 more than 2 times m B. 2 more than 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?

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

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

\_\_\_\_\_\_\_\_ 6. Simplify: 7 + (6y2 + 3) where y = 5

A. 160 B. 70 C. 26 D. 120

\_\_\_\_\_\_\_\_7. Kelly currently has $100.00. She saves $5.00 every week. Which expression represents the amount, in dollars, Kelly will save in *w* weeks?

A. 100 + 5w B. [100(5w)] C. 100 – 5w D. 100 + 5 + w

\_\_\_\_\_\_\_\_8. Determine the value of the following expression: 5y – 7 + 2x2 where y = 12 and x = 4.

A. 85 B. 37 C. 69 D. 21

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

A. 24y + 2 B. 30y C. 24y + 12 D. 10y + 8

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

|  |  |  |
| --- | --- | --- |
| **A** | **B** | **C** |
| 102 + 108 – 82 | 8(42) + 24 | 93 – 5(20) + 1 |

Which expression or expressions is equal to 122?

***Show your work:***

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

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

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