***Learning Targets:***

*I can solve a 1-step or 2-step algebraic equation.*

*I can create a 1-step or 2-step algebraic equation from a given word problem.*

*I can solve and graph a 1-step or 2-step algebraic inequality.*

***Mastery Scoring Sheet***

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

*Learning Target 1: I can solve a 1-step or 2-step algebraic equation.*

Questions: 1, 3, 5

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

*Learning Target 2: I can create a 1-step or 2-step algebraic equation from a given word problem.*

Questions: 4, 6, 7

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

*Learning Target 3: I can solve and graph a 1-step or 2-step algebraic inequality.*

Questions: 2, 8, 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 solve a 1-step or 2-step algebraic equation.*

*I can create a 1-step or 2-step algebraic equation from a given word problem.*

*I can solve and graph a 1-step or 2-step algebraic inequality.*

\_\_\_\_\_\_\_\_1. Solve: $\frac{g}{2}+7 =42.5$

A. g = 71 B. g = 17.75 C. g = 20.9 D. g = 83.6

\_\_\_\_\_\_\_\_2. In which set do all of the values make the inequality true?

2x – 1 < 10

A. {10, 15, 20} B. {5, 7, 9} C. {4, 6, 8} D. {2, 3, 4}

\_\_\_\_\_\_\_\_3. A sandwich shop sells sandwiches for $5.95 each, including tax. The shop received a total of $71.40 from the sales of sandwiches on afternoon. Which equation can be used to determine the number of sandwiches, *x*, sold by the sandwich shop that afternoon?

A. 5.95 + x = 71.40 B. 5.95 ÷ 71.40 = x C. 5.95x = 71.40 D. 5.95 ÷ x = 71.40

\_\_\_\_\_\_\_\_4. A pet store has cats and dogs for sale. Let c represent the number of cats. The number of dogs is 3 less than 4 times the number of cats. Which equation can be solved to find the number of dogs, *d* ?

A. d = 3 + 4c B. d = 4c – 3 C. 4 – 3d = c D. 3c – 4 = d

\_\_\_\_\_\_\_\_5. A cell phone company charges $50.00 per month along with $0.05 per text message. The price of the cell phone bill is represented by c = 50 + 0.05t. If the bill is $72.50, how many text messages were sent that month?

A. t = 45 B. t = 10,000 C. t = 3,000 D. t = 450

\_\_\_\_\_\_\_\_6. Chris’ rocket traveled *h* meters. The height of Alyssa’s rocket was 3 meters more than one-fourth the height reached by Chris’ rocket. Alyssa’s rocket traveled *a* meters. Which equation can be used to find the height reached by Alyssa’s rocket?

A. $\frac{h}{4}$ + 3 = a B. 16a = 4 + 3 C. 4a + 3 = 16 D. 4h + 3h = a

\_\_\_\_\_\_\_\_7. Veronica bought 5 hats when she was shopping today. The store offered a discount of $10.00 off the total cost of your purchase. Her total before tax was $65. Which equation could be used to find the cost of each hat, h?

A. 5h - 20 = 65 B. 5h – 10 = 65 C. 5h = 65 – 10h D. 5(h - 10) = 65

\_\_\_\_\_\_\_\_8. Which shows the correct solution for j in the inequality 5j + 12 < 33.25

A. j > 4.25 B. j < 4.25 C. j < 17.3 D. j < 1.73

\_\_\_\_\_\_\_\_9. George has $23 to spend on art supplies. He wants to buy markers, paper, and glue. If the total cost of the markers and paper is more than $14, which inequality represents the dollar amount, *p*, George can spend on glue?

A. p < 9 B. p > 9 C. p < 37 D. p > 37

10. Four friends bought tickets to a movie. They also decided to share a large popcorn for $8.50. The friends spent a total of $67.00. Create an algebraic equation to solve for *t*, the cost per ticket.

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve to determine the value of t:

***Show your work:***

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