Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review of compare and order, and multiple representations

1. Given the following sequence 20, 15, 10, 5, 0, … make a table and the equation. Also solve for when n = 10. Is this proportional or non-proportional? Explain?
2. Randall has some left over canisters marked with the following numbers -15%,- $\frac{3}{5}$ , -0.5, -0.8, and - $\frac{1}{10}$ . How would Randall arrange them in descending order?
3. Given the expression 6n – 2, what would be the first 5 terms of the sequence?
4. Mr. Tucker is trying to figure out his electric bill. He knows the equation for his plan is y = .25*m* where m represents the number of Kilowatt hours he uses, and y represents the total cost of his bill.
	1. Is this equation proportional or non-proportional? Explain why?
	2. What would he have to pay for his bill, if he used 200 Kilowatt hours?
5. Given the following set of numbers 411%, 4 $\frac{1}{10}$, 4.055, 4 $\frac{1}{9}$ , what is the order of the numbers from least to greatest?
6. The overall widths of some wooden boards are 15 $\frac{7}{8}$ in, 15 $\frac{8}{9}$ in, 15 $\frac{4}{5}$ in, and 16.9 in. Order the widths of the wooden boards in descending order.

7. The cost of a music club membership is a $10 per month and a instrument rental fee of $15. Write an equation to represent *y*, the amount a member paid to the music club for *x* number of months?

Variables: x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 100

 y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

80

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

60

|  |  |  |
| --- | --- | --- |
| ***x*** | **Process:** | ***y*** |
| 1 |  |  |
| 3 |  |  |
| 7 |  |  |
| 9 |  |  |

 40

20

0 1 2 3 4 5 6 7 8 9 10