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|  | **Problem 1** | Problem 2 | Gridded Response |
| **Monday** | Given the initial term and either common difference or common ratio, write the first 6 terms of the sequence.  *a1* = 7, *r* = 2 | What is the slope of the graph represented by the equation below? Write your answer as a fraction in lowest terms if necessary.  3x = 12 – 2y | ***Problem 2***  Grade 6 Math Grid.png |
| **Tuesday** | What is the slope of the line represented by the linear equation below? Write your answer as a fraction in lowest terms if necessary.  x + 3y = 3 | Determine if the sequence below is arithmetic or geometric. Then determine the common difference or the common ratio.    2, 6, 18, 54, 162, ... | ***Problem 1***  Grade 6 Math Grid.png |
| **Wednesday** | Three sisters have ages that are consecutive odd integers. The sum of the youngest and 3 times the age of the oldest is 5 less than 5 times the middle sister’s age. How old is the oldest sister? | An airplane descends at a rate of 300 feet for every 5000 horizontal feet that the plane travels. What is the slope of the path of the plane’s descent? Write your answer as a fraction in lowest terms if necessary. | ***Problem 1***  Grade 6 Math Grid.png |
| **Thursday** | The number of chirps a cricket makes in a minute is a function of the temperature. The table below shows the number of chirps and the corresponding temperature. *Assuming a linear relationship*, find an equation relating the temperature to the number of chirps.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | number of chirps | 40 | 60 | 100 | 140 | | temperature  (degrees Fahrenheit) | 50 | 55 | 65 | 75 | | Use the equation to predict the number of chirps a cricket will make when the temperature outside is 60 degrees Fahrenheit. | ***Problem 2*** |
| **Friday** | Alicia is selling homemade jars of jelly as a fundraiser. She spent $50 on supplies for making the jelly. She plans on selling the jars for $7.50 each. Write a function that models her jelly profits (p) based on the number of jars she sells (j). | What is the minimum number of jars of jelly that Alicia must sell in order for her to make a profit of $2500? | ***Problem 2*** |

*Questions adapted from Score21 and SchoolNet* 