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|  | **Problem 1** | Problem 2 | Gridded Response |
| **Monday** | Write a NOW-NEXT statement for the following pattern and determine the 8th term in the pattern.4, 10, 16, 22, 28 ….. | Simplify the following expression with the following values: x = 4 and y = -2$$\frac{x^{2}}{2}+xy^{3}$$ | ***Problem 2***Grade 6 Math Grid.png |
| **Tuesday** | Find the smallest of three consecutive even integers such that the sum of twice the first and three times the third is fourteen more than four times the second. | Write the expression in exponential form. $$\sqrt[3]{27a^{6}b^{2}c^{3}}$$ | ***Problem 1***Grade 6 Math Grid.png |
| **Wednesday** | f(x) = x2 – 2x + 2; Find f(-3)  | To calculate the distance an object travels in a free fall we use the formulaD = ½ gt2 where *t* is time and *g* is the force of gravity on the object. Solve this equation for *t*.  | ***Problem 1***Grade 6 Math Grid.png |
| **Thursday** | Simplify.$$(2x^{\frac{1}{4}})^{-4}$$ | In $∆$ABC, AB $≅$ AC. If the perimeter of the figure is 111 inches, determine the value of *x*. **A****B****C****x****6x - 3** | ***Problem 2***  |
| **Friday** | The sequence below shows the number of pennies Charlotte has collected over the past 5 weeks:4, 12, 36, 108, 324Write a NOW-NEXT statement that would help calculate how many pennies Charlotte will collect next week. | The length of the diagonal of a picture frame is 30 cm. If the height of the frame is 18cm, what is the area of the frame? Round to the nearest tenth if necessary. | ***Problem 2*** |

*Questions adapted from Score21 and SchoolNet* 