Name: _____   Date: _____

Practice: Focus on Communicating

1. Describe the pattern in each sequence. Then, write the next three terms.
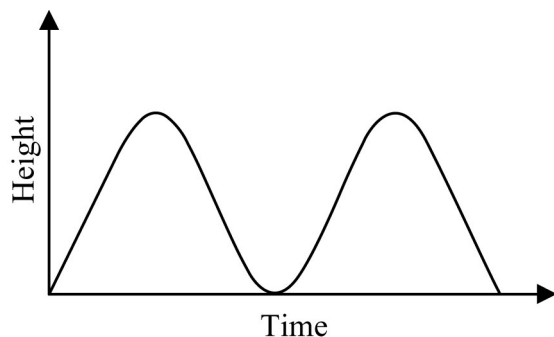   **a)** 99, 88, 77, 66, 55
   b) $\frac{2}{3}, \frac{4}{3}, 2, \frac{8}{3}, \frac{10}{3}$
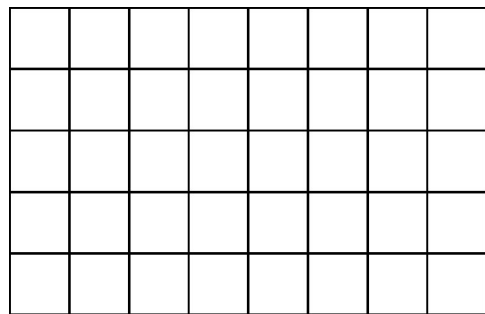   **c)** 4096, 2048, 1024, 512, 256
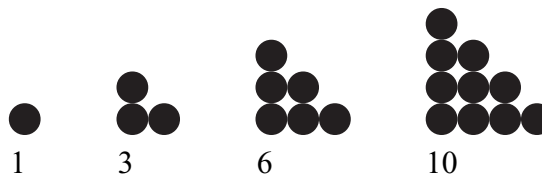   **d)** V, X, XV, XX, XXV

2. Explain why this graph shows how your height off the ground changes when you ride on a Ferris wheel.

3. Explain how you can use this grid to model the product $\frac{2}{5} \times \frac{5}{8}$.

4. These are triangular numbers.

1   3   6   10

   a) Write the next three triangular numbers.
   b) Find the sum of consecutive triangular numbers. Describe the pattern in the sums.