

Activity Sheet

1. 24 bayonets were counted and recorded by Captain Michael Grimington in 1710, year 1. Assume that the trading post sold 7 bayonets every year for thirteen years.
 - a. Create a table that shows the number of bayonets available for sale at the beginning of years 1, 2, 3, 4 and 5.
 - b. In words, describe the pattern in the table of data.
 - c. Write an expression to represent the pattern in the table.
 - d. Determine the number of bayonets available for sale at the beginning of the year 1723. Describe the strategy you used to find this.
2. 2200 needles were counted and recorded by Captain Michael Grimington in 1710. Assume that the trading post sold 20 needles every year for ten years.
 - a. Create a table that shows the number of needles available for sale at the beginning of years 1, 2, 3, 4 and 5.
 - b. In words, describe the pattern in the table of data.
 - c. Write an expression to represent the pattern in the table.
 - d. Use the expression to determine the number of needles available for sale at the beginning of the year 1720.
3. 72 files were counted and recorded by Captain Michael Grimington in 1710. Assume that the trading post sold 4 files every year for seven years.
 - a. Create a table that shows the number of files available for sale at the beginning of years 1, 2, 3, 4 and 5.
 - b. In words, describe the pattern in the table of data.
 - c. Write an equation that represents this table.
 - d. Determine the number of files available for sale at the beginning of the year 1717. Describe the strategy you