

## Ratio Tables to Graphs

### 1. Reading Speed

James can read 12 pages in 4 minutes.

A. Complete the following table:

| Time in Minutes | Pages Read |
|-----------------|------------|
| 4               | 12         |
|                 | 24         |
|                 | 36         |
|                 | 48         |
|                 | 60         |

B. Use the class code on Desmos.com to graph the data above. Pay attention to the labels on the x-axis and y-axis. What are those labels?

x-axis \_\_\_\_\_

y-axis \_\_\_\_\_

C. Use the graph to find the number of pages that can be read in 1 minute.

D. Use the graph to find the number of pages that can be read in 20 minutes.

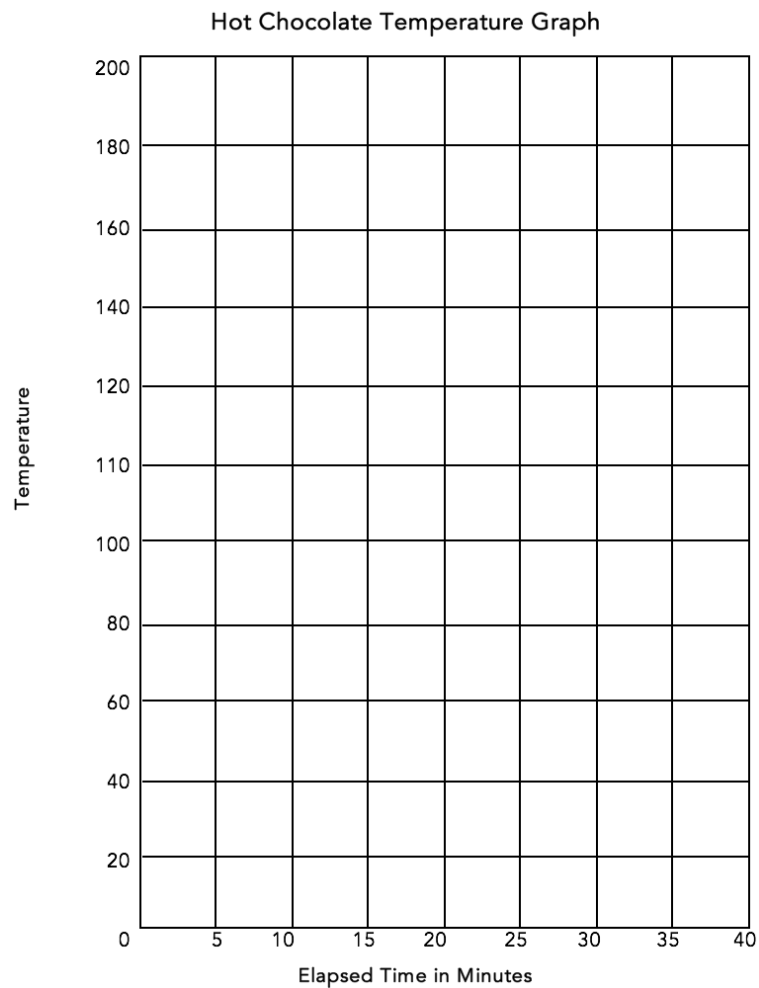
E. Does the graph show a ratio relationship between the pages read and the time in minutes? How do you know? Support your answer with evidence from the table and the graph.

## 2. Hot Chocolate Temperature

Mrs. Baker poured a cup of hot chocolate and set it on the table to cool. She recorded the temperature of the hot chocolate every 10 minutes. Here is her data:

| Elapsed Time in Minutes | Temperature |
|-------------------------|-------------|
| 5                       | 180         |
| 10                      | 165         |
| 15                      | 140         |
| 20                      | 130         |
| 25                      | 125         |
| 30                      | 120         |
| 35                      | 115         |
| 40                      | 112         |

A. Use graph paper to plot the values from the chart.



B. Use Desmos.com to compare with your graph and check your work.

C. Does the graph show a ratio? How do you know? Support your answer from the table and the graph.

Name \_\_\_\_\_

Date \_\_\_\_\_

Class \_\_\_\_\_

### 3. Dollars to Euros

In December 2018, 1 U.S. dollar could buy 0.88 Euros.

A. Make a table showing what \$1, \$5, \$10, \$15, \$20, \$50, and \$100 would purchase in Euros.

B. Graph this relationship. **Remember to label your axes!** Use Desmos.com to check your work.

