

# MOMENTUM MATH LEVEL F



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# PICTOGRAPHS

## Today's Destination

How are pictographs used to interpret data?



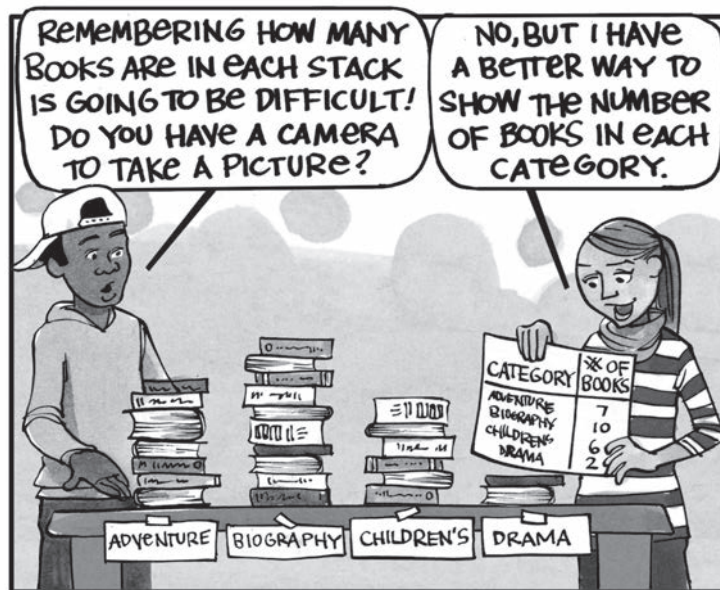
### Vocabulary

**Factor** A number that multiplies with another number to get a product, or a number that divides evenly into another number

**Pictograph** A display that uses symbols or pictures to represent the data



### Problem of the Day



How is Marta planning to display the number of books?



Explain It!

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## IN THE DRIVER'S SEAT

For questions 1–4, refer to the table below, which represents the average life of laptop batteries in different years.

**LAPTOP BATTERY LIFE**

Year	1999	2001	2003	2005	2007
Hours	1.2	2.6	3.2	3.9	4.3

- 1) What should the horizontal axis represent in a line graph of this data? What about the vertical axis?

**Write It!**

\_\_\_\_\_

\_\_\_\_\_

- 2) Where should you start and stop the vertical scale for this graph? What interval should you use?

**Write It!**

The scale should extend from 0 to \_\_\_\_\_ hours by intervals of \_\_\_\_\_.

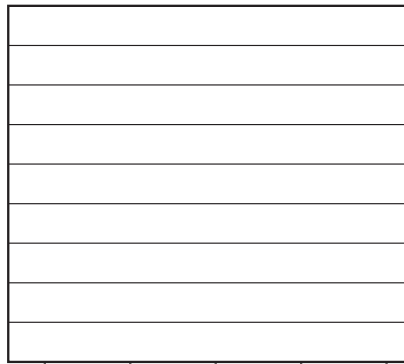
- 3) How could you write the data points as ordered pairs?

**Write It!**

\_\_\_\_\_

\_\_\_\_\_

- 4) Create a line graph to display the data from the table. Label the axes and title the graph.



## SIDE TRIPS

For Exercises 1 and 2, use the data in the table below which represents defective computer parts produced this year at Cyntron Industries.

**DEFECTIVE COMPUTER PARTS AT CYNTRON INDUSTRIES**

Part	Keyboards	Speakers	Motherboards	Hard Drives	Sound Cards
Quantities	313	220	137	85	55

- 1) If all of the defective parts produced at Cyntron Industries are listed in the table, what **two** types of graphs could be used to display this data? Explain your answer.

 **Explain It!**

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- 2) If other defective parts, such as modems and video cards, were also produced but not included in the table, which of the two types of graphs from your answer to Question 1 should NOT be used to represent the data? Explain your answer.

 **Explain It!**

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