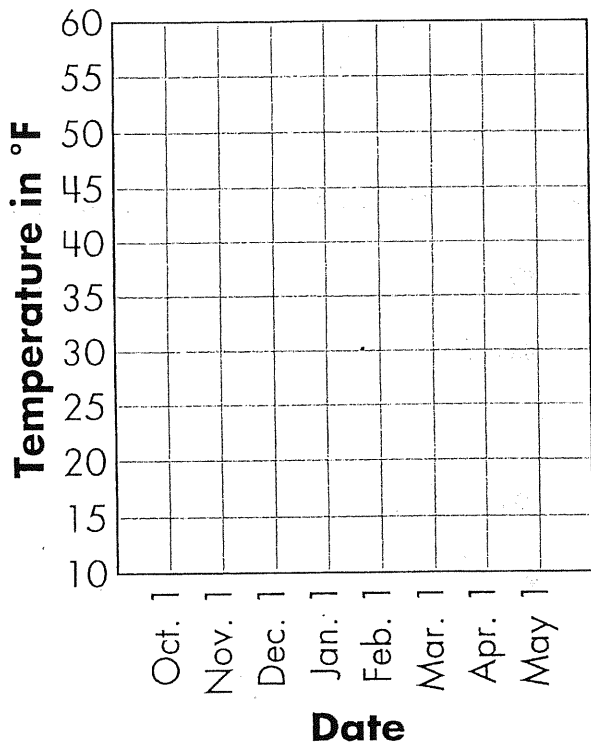


Name \_\_\_\_\_ Date \_\_\_\_\_

### Grade 4/Unit 9 Pre-Assessment: Patterns, Functions, and Change

The table shows city temperatures at the start of each month.

1. Graph the data on the grid below.



Date	Temperature
Oct. 1	42°F
Nov. 1	33°F
Dec. 1	20°F
Jan. 1	12°F
Feb. 1	22°F
Mar. 1	38°F
Apr. 1	53°F
May 1	57°F

2. On which date was it the coldest? \_\_\_\_\_
3. On which date was it the warmest? \_\_\_\_\_
4. Between which 2 months did the temperature change the least?  
\_\_\_\_\_
5. In which 2 months did the temperature decrease the most?  
\_\_\_\_\_
6. How does the temperature change from Dec. 1 to Feb. 1?

David is saving his money to buy a new game system. He has \$5 to begin with. Each day he saves \$2 more.

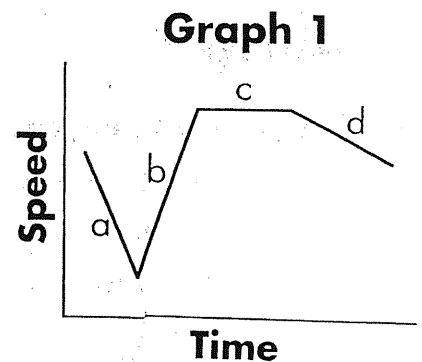
7. Complete this table.

Number of Days	Number of Dollars
Start with	\$5
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
15	
20	

8. Write an expression that shows how much money David will save after 100 days.

Choose the correct answer. Graph 1 shows a car's speed.

Use Graph 1 in Problems 1-2.



9. When did the speed increase?

A. a

B. b

C. c

D. d

10. When did the speed stay the same?