



ACTIVITY 4

The Four
Quadrants

TOPIC 2

LESSON 3

Getting
Started

1

2

3

4

Talk
the Talk

MATHⁱa CONNECTION

- Writing an Expression from a Scenario, Table, or Graph
- Solving One-Step Equations Using Multiple Representations in Four Quadrants

An Interesting Day in South Dakota

An exciting day of temperature changes occurred in Rapid City, South Dakota, on January 22, 1943. The table shows the temperature changes that happened throughout the day.

HABITS OF MIND

- Model with mathematics.
- Use appropriate tools strategically.

REMEMBER...

0°C is 32°F .

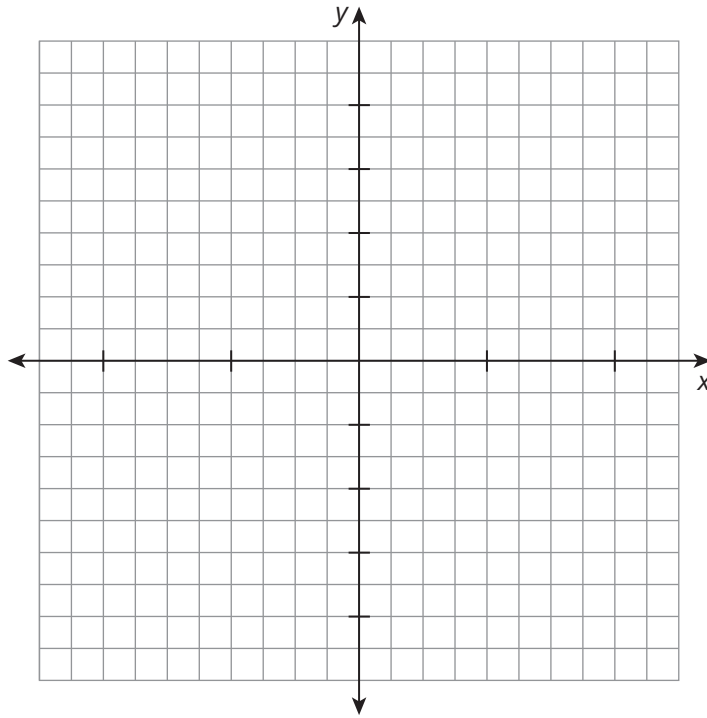
Time	Temperature ($^{\circ}\text{C}$)
10:30 A.M.	-6.7
10:35 A.M.	13.3
Noon	15.6
12:05 P.M.	-10.6
12:35 P.M.	-9.4
12:40 P.M.	10
2:20 P.M.	14.4
2:25 P.M.	-8.3

➤ Create a graph of the temperature changes.

- 1 Which quadrants do you need for your graph? **Explain your reasoning.**



- 2 Label the axes for the graph. Then graph the data and connect consecutive points.



- 3 Between which two times was the temperature swing the greatest?

- 4 Describe the pattern. Why is this called an “interesting” day?