

•

ACTIVITY 4 MATHia CONNECTION

Writing an Expression from a Scenario, Table, or Graph

Solving One-Step Equations Using Multiple Representations in Four Quadrants

The Four Quadrants

TOPIC 2

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.

Time	Temperature (°C)
10:30 а.м.	-6.7
10:35 а.м.	13.3
Noon	15.6
12:05 р.м.	-10.6
12:35 р.м.	-9.4
12:40 р.м.	10
2:20 р.м.	14.4
2:25 р.м.	-8.3

> Create a graph of the temperature changes.

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

HABITS OF MIND

Activity 2 3 Talk

the Talk

- Model with mathematics.
- Use appropriate tools strategically.

Getting Started

LESSON 3

REMEMBER	•	•	•
0°C is 32°F.			



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?

TOPIC 2



SUMMARY Connecting the points on a graph may help to recognize patterns in the data.

Situation

Chunking the Activity

- Read and discuss the situation
- Group students to complete the activity
- Share and summarize

Student Look-Fors

Whether students are demonstrating proficiencies related to these Habits of Mind:

- Model with mathematics.
- Use appropriate tools strategically.

An Interes An exciting d occurred in R on January 2 the temperat throughout th	a CONNECTION an Expression from a Scenario, Tabl One-Stee Equations Using Multiple sting Day in S and of temperature ch Rapid City, South Dak (2, 1943. The table sh ure changes that haj ne day.	Ite or Graph Representations in Pour Quadrants South Dakota hanges kota, hows ppened	
Time	Temperature (°C)	PEMEMBER	
10:30 A.M	-6.7	0°C is 32°F.	
10:35 а.м.	13.3		
Noon	15.6	-	
12:05 р.м.	-10.6	_	
12:35 р.м.	-9.4		
12:40 р.м.	10	_	
2:20 р.м.	14.4	-	
2:25 р.м.	-8.3	-	
 Create a grapi Which quad I need Quad All of the tim I need to be 	h of the temperature irants do you need fo drants I and IV. mes are positive, bu e able to plot (+ , +)	e changes. or your graph? Explain your reasoning. ut the temperatures are positive and negative. and (+ , –) points.	

• How is this table different from the one in the

previous activity?

© Carnegie Learning, Inc.

Gathering

TOPIC 2





© Carnegie Learning, Inc.