

NAME

DATE

PERIOD

Unit 5, Lesson 2: Changing Temperatures

- The temperature is -2°C . If the temperature rises by 15°C , what is the new temperature?
 - At midnight the temperature is -6°C . At midday the temperature is 9°C . By how much did the temperature rise?

2. Complete each statement with a number that makes the statement true.

- _____ $< 7^{\circ}\text{C}$
- _____ $< -3^{\circ}\text{C}$
- $-0.8^{\circ}\text{C} < \text{_____} < -0.1^{\circ}\text{C}$
- _____ $> -2^{\circ}\text{C}$

(from Unit 5, Lesson 1)

3. Draw a diagram to represent each of these situations. Then write an addition expression that represents the final temperature.

a. The temperature was 80°F and then fell 20°F .

b. The temperature was -13°F and then rose 9°F .

c. The temperature was -5°F and then fell 8°F .

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4. Decide whether each table could represent a proportional relationship. If the relationship could be proportional, what would be the constant of proportionality?

a. The number of wheels on a group of buses.

number of buses	number of wheels	wheels per bus
5	30	
8	48	
10	60	
15	90	

b. The number of wheels on a train.

number of train cars	number of wheels	wheels per train car
20	184	
30	264	
40	344	
50	424	

(from Unit 2, Lesson 7)

5. Noah was assigned to make 64 cookies for the bake sale. He made 125% of that number. 90% of the cookies he made were sold. How many of Noah's cookies were left after the bake sale?

(from Unit 4, Lesson 7)