



New York State Testing Program

Mathematics Test

Grade **7**

2009 Scoring Guide

35

The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

What was the high temperature on Sunday?

Answer _____ $^{\circ}\text{F}$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's **low**. What was the **low** temperature on Tuesday?

Show your work.

Answer _____ $^{\circ}\text{F}$

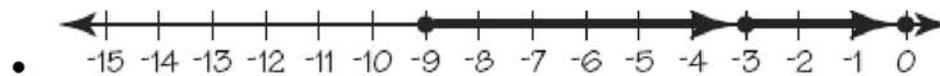
QUESTION 35

STRAND 1: NUMBER SENSE AND OPERATIONS

Complete and Correct Response:

- 5 (°F)

AND



OR

- $-9 + 6 = -3$
 $-3 + 3 = 0$

OR other valid process

AND

- 0 (°F)

Score Points:

Apply 3-point holistic rubric.

35

The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

What was the high temperature on Sunday?

$$14 + -9 = 5^{\circ}$$

Answer _____ 5 $^{\circ}\text{F}$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's low. What was the low temperature on Tuesday?

Show your work.

$$-9 + 6 + 3 = 0^{\circ}\text{F}$$

Answer _____ 0 $^{\circ}\text{F}$

This response is complete and correct.

Score Point 3

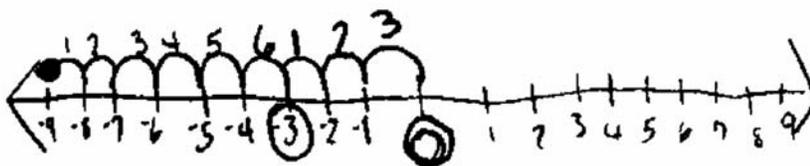
- 35** The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

What was the high temperature on Sunday?

Answer 5 $^{\circ}\text{F}$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's low. What was the low temperature on Tuesday?

Show your work.



Answer 0 $^{\circ}\text{F}$

This response is complete and correct. The correct use of a number line is sufficient to demonstrate a thorough understanding of the task.

Score Point 3

- 35 The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

What was the high temperature on Sunday?

Answer 7 $^{\circ}\text{F}$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's low. What was the low temperature on Tuesday?

Show your work.

$$\begin{aligned} -9 + 6 &= -3 \\ -3 + 3 &= 0 \end{aligned}$$

Answer 0 $^{\circ}\text{F}$

This response is partially correct. Most aspects of the task are addressed correctly; however, the response for the first part is incorrect.

Score Point 2

35

The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

on

What was the high temperature on Sunday?

Answer 5[°] °F

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's low. What was the low temperature on Tuesday?

Show your work.

Answer 0[°] °F

This response is partially correct. Although two correct answers are provided, there is no work shown for the second part. Refer to Scoring Policy number 13.

Score Point 2

35

The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

$$-9^{\circ} + 14^{\circ} = 5^{\circ}\text{F}$$

What was the high temperature on Sunday?

Answer 5 $^{\circ}\text{F}$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's low. What was the low temperature on Tuesday?

Show your work.

$$6 + -9, \quad 3 + -9$$

Answer -6 $^{\circ}\text{F}$

This response exhibits many flaws, but it is not completely incorrect. The answer for the first part is correct. However, the answer and work shown for the second part are not correct.

Score Point 1

35

The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

What was the high temperature on Sunday?

Answer 5 $^{\circ}\text{F}$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's low. What was the low temperature on Tuesday?

Show your work.

Sun. -9°F
Mon. 6°F
Tues.?

Answer 15 $^{\circ}\text{F}$ $(-9) - 6 = -15$

This response exhibits many flaws, but is not completely incorrect. The answer for the first part is correct; however, the correct answer and mathematical process for the second part are not provided.

Score Point 1

35

The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

What was the high temperature on Sunday?

$$-9 + 14 = 5$$

Answer 5 $^{\circ}\text{F}$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's low. What was the low temperature on Tuesday?

Show your work.

$$-9 + 6 = -3$$

Answer -3 $^{\circ}\text{F}$

This response is incorrect.

Score Point 0



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Mathematics Test

Grade **7**

2009 Practice Set

35

The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

What was the high temperature on Sunday?

low -9°F \uparrow 14
high -

Answer 5 $^{\circ}\text{F}$

$-9, -8, -7, -6, -5, -4, -3, -2, -1$
 $0 \ 1 \ 2 \ 3 \ 4 \ 5$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's low. What was the low temperature on Tuesday?

Show your work.

Mon. low -3
Mon. low $-6 + -9$
Tues. low $-3 + -3$
 $-9, -8, -7, -6, -5, -4, -3$
 $-3, -2, -1, 0$

Answer 0 $^{\circ}\text{F}$

35

The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

What was the high temperature on Sunday?

Answer 5 $^{\circ}\text{F}$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's **low**. What was the **low** temperature on Tuesday?

Show your work.

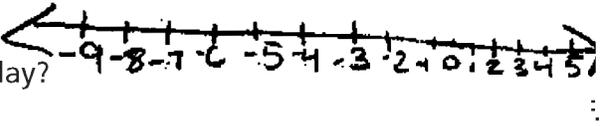
$$-9 + 6 = -3 + 3 = 0$$

Answer 0 $^{\circ}\text{F}$

35

The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

What was the high temperature on Sunday?



Answer 5 $^{\circ}\text{F}$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's low. What was the low temperature on Tuesday?

Show your work. / _____

monday = -3

tuesday = 0^o

Answer 0 $^{\circ}\text{F}$

35

The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

$$\begin{array}{r} 14 \\ + 9 \\ \hline 23 \end{array}$$

What was the high temperature on Sunday?

Answer 23 $^{\circ}\text{F}$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's **low**. What was the **low** temperature on Tuesday?

Show your work.

$$\begin{array}{r} -9 \\ + 6 \\ \hline -3 \\ + 3 \\ \hline -18 \end{array}$$

Answer -18 $^{\circ}\text{F}$

35

The low temperature on Sunday was -9°F . The high temperature on Sunday was 14 degrees warmer than the low temperature.

$$\begin{array}{r} 14 \\ -9 \\ \hline 5 \end{array}$$

What was the high temperature on Sunday?

Answer 5 $^{\circ}\text{F}$

The low temperature on Monday was 6 degrees warmer than Sunday's low of -9°F . The low temperature on Tuesday was 3 degrees warmer than Monday's low. What was the low temperature on Tuesday?

Show your work.

$$\begin{array}{r} -3 \\ +3 \\ \hline 0 \end{array}$$

Answer 0 $^{\circ}\text{F}$

7th GRADE MATHEMATICS

Name: _____

PRACTICE SET ANSWER KEY

PS 1	(0-2)	
PS 2	(0-2)	
PS 3	(0-2)	
PS 4	(0-2)	
PS 5	(0-2)	
PS 6	(0-2)	
PS 7	(0-2)	
PS 8	(0-2)	
PS 9	(0-2)	
PS 10	(0-2)	
PS 11	(0-2)	
PS 12	(0-2)	
PS 13	(0-2)	
PS 14	(0-2)	
PS 15	(0-2)	
PS 16	(0-2)	
PS 17	(0-2)	
PS 18	(0-2)	
PS 19	(0-2)	
PS 20	(0-2)	

PS 21	(0-3)	
PS 22	(0-3)	
PS 23	(0-3)	
PS 24	(0-3)	
PS 25	(0-3)	
PS 26	(0-3)	
PS 27	(0-3)	
PS 28	(0-3)	
PS 29	(0-3)	
PS 30	(0-3)	
PS 31	(0-3)	
PS 32	(0-3)	
PS 33	(0-3)	
PS 34	(0-3)	
PS 35	(0-3)	
PS 36	(0-3)	
PS 37	(0-3)	
PS 38	(0-3)	
PS 39	(0-3)	
PS 40	(0-3)	