Morning to Afternoon

Students compare thermometer readings, find temperature differences, and explain a pattern.

E.1.9A.3 "Construct an explanation for the general pattern of change in daily temperatures by measuring and calculating the difference between morning and afternoon temperatures."

NAME _____ DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 FIND THE DIFFERENCE

a	2	3	4
b	2	3	5

2 TELL THE PATTERN

degrees	
change	

ANSWER KEY

Morning to Afternoon

GRADE 1 · E.1.9A.3

HOW TO RUN THIS PAGE

Read each pair of thermometer measurements aloud. Have students count on from the morning temperature to find the difference, then listen to each student's explanation of the pattern. Record any help given separately.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 · FIND THE DIFFERENCE

SAY "Listen to the morning and afternoon temperatures. Count on from the morning number to find how many degrees warmer it is in the afternoon."

ROW	SAY	STUDENTS CIRCLE
a	A thermometer measured 8 degrees in the morning and 10 degrees in the afternoon. How many degrees warmer was the afternoon? Circle the difference.	**2**
b	A thermometer measured 9 degrees in the morning and 12 degrees in the afternoon. How many degrees warmer was the afternoon? Circle the difference.	**3**

PART 2 · TELL THE PATTERN

SAY "A third thermometer reading was 11 degrees in the morning and 15 degrees in the afternoon. How many degrees warmer was the afternoon? Write the number in the degrees box. Looking at all three days, did the temperature usually go up or down from morning to afternoon? Write up or down in the change box, then tell me how the readings show it."

- Box 1 (beside degrees): **4**
- Box 2 (beside change): **up**

WHAT TO ACCEPT

The circled answers are 2 and 3; the boxes read 4 and up. Accept an oral explanation that the afternoon reading is higher than the morning reading on each day.