

Season Data Detectives

Students listen to seasonal weather data and mark patterns of change.

S1E1.d "Analyze data to identify seasonal patterns of change."

NAME _____

DATE _____

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

1 COLD DAYS

Sample cold days – 10 days observed each season

Key: one dot = one day.

Winter	● ● ● ● ● ● ● ●
Spring	● ● ● ●
Summer	●
Fall	● ● ● ● ●

a

Winter

Summer

Fall

b

Winter

Spring

Summer

c

up

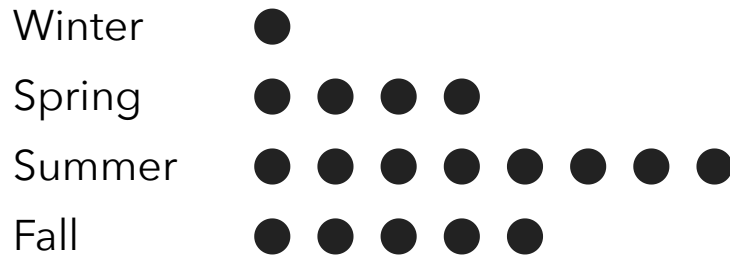
down

same

2 WARM DAYS

Sample warm days – 10 days observed each season

Key: one dot = one day.



a

Winter

Summer

Fall

b

Spring

Fall

Winter

c

up

down

same

HOW TO RUN THIS PAGE

Read each printed chart and prompt aloud. These are invented classroom observations for ten days in each season, using the same location and definitions: cold below 10°C, warm at least 20°C; other days are mild. They are not a forecast or universal seasonal counts. Help children use one dot for one observed day.

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

PART 1 • COLD DAYS

SAY “Point to and read the printed seasonal picture chart. Each dot is one observed day. Listen to this weather-chart data: Winter had 8 cold days, Spring had 4, Summer had 1, and Fall had 5. Use the data as I ask each question.”

ROW	SAY	STUDENTS CIRCLE
a	Which season had the most cold days? Circle Winter, Summer, or Fall.	Winter
b	Which season had the fewest cold days? Circle Winter, Spring, or Summer.	Summer
c	From Winter to Spring, did the number of cold days go up, go down, or stay the same? Circle up, down, or same.	down

PART 2 • WARM DAYS

SAY “Point to and read the printed seasonal picture chart. Each dot is one observed day. Listen to this weather-chart data: Winter had 1 warm day, Spring had 4, Summer had 8, and Fall had 5. Use the data as I ask each question.”

ROW	SAY	STUDENTS CIRCLE
a	Which season had the most warm days? Circle Winter, Summer, or Fall.	Summer
b	Which season had the fewest warm days? Circle Spring, Fall, or Winter.	Winter
c	From Winter to Spring, did the number of warm days go up, go down, or stay the same? Circle up, down, or same.	up

WHAT TO ACCEPT

Cold Days answers are Winter, Summer, and down. Warm Days answers are Summer, Winter, and up. Compare equal ten-day observation periods, not totals from differently sized samples. Some days are neither cold nor warm. These sample counts do not imply that the same weather must repeat next year.