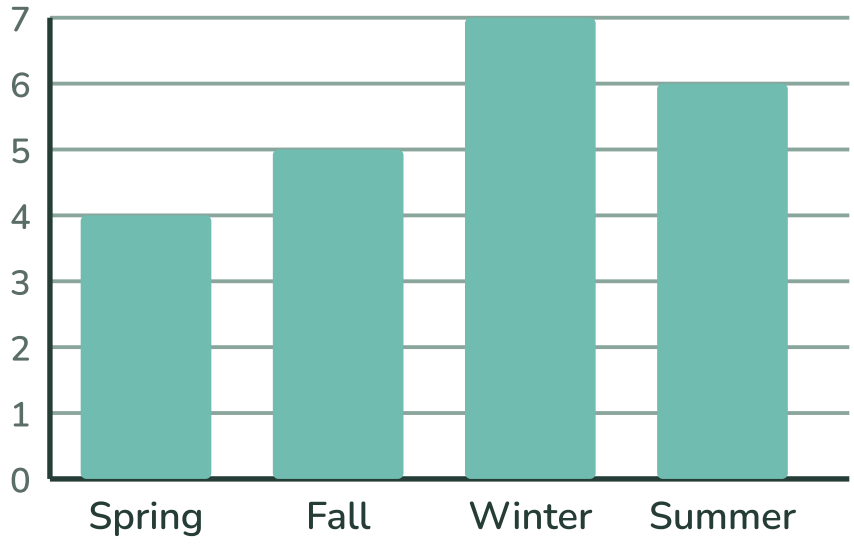
Number patterns and data stories

NAME	DATE

1 Look at this pattern: 32, 42, 52, 62, 72. Write its rule, like "add 1 each time" or "subtract 1 each time".

2 Room 14 asked each student: What is your favourite season? The bar graph shows the answers. Write one or two sentences that tell what the graph shows.



Number patterns and data stories

3 Think about the page numbers in a book with 46 pages. Does the sequence stop, or go on forever? Explain how you know.

4 Which of these is second-hand data?

- ○ Ben counted the birds at the school feeder every morning for a week.
- ○ Emma read in a library book how many people live in each city.
- ○ Leo measured the snow outside his house each day in January.

5 Your topic is how long students in your class read each night. Write a question that data from several people or days can answer. Write your prediction, what data you will collect, and from whom.

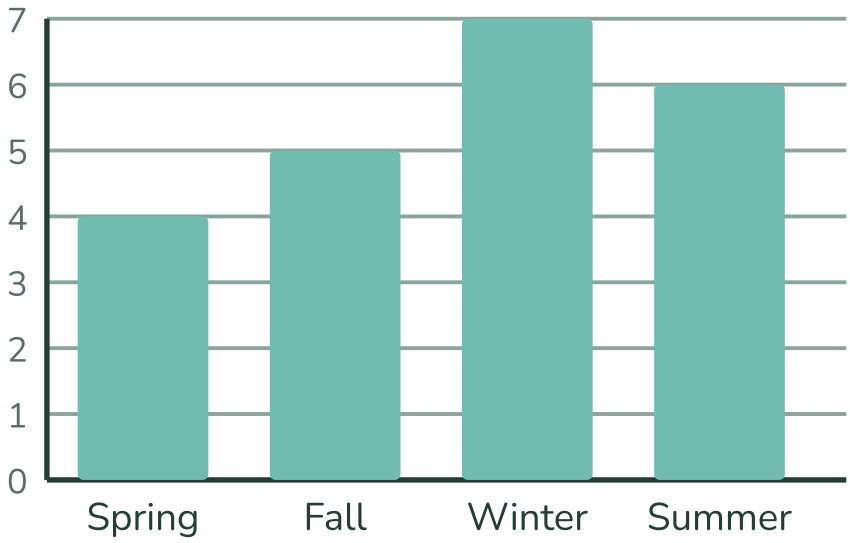
Number patterns and data stories

1. Add 10 each time

Evidence for the stated action: Checks the bounded response named here against the supplied problem. A single example does not certify the whole parent skill or outcome.

2. Counts as right if the sentences say what the graph shows, read correctly from it: such as the most common answer, winter (7), the least common, spring (4), or a comparison of two answers with the right numbers. Only listing the numbers with no sentence about what they show, or a value misread from the graph, does not count.

Evidence for the stated action: Checks the bounded response named here against the supplied problem. A single example does not certify the whole parent skill or outcome.



Counts as right if the sentences say what the graph shows, read correctly from it: such as the most common answer, winter (7), the least common, spring (4), or a comparison of two answers with the right numbers. Only listing the numbers with no sentence about what they show, or a value misread from the graph, does not count.

Winter is the most common answer, with 7 students. Spring is the least common, with 4.

3. Counts as right if it makes these points: (1) it stops; (2) a reason, such as “the last page is 46.” The right answer with no reason, or a reason that is not true, does not count.

Evidence for the stated action: Checks the bounded response named here against the supplied problem. A single example does not certify the whole parent skill or outcome.

Number patterns and data stories

Counts as right if it makes these points: (1) it stops; (2) a reason, such as “the last page is 46.” The right answer with no reason, or a reason that is not true, does not count.

It stops: the last page is 46.

4. Emma read in a library book how many people live in each city.

Practice / supporting evidence: Sorts the data as first-hand or second-hand without a reason or examples of each; good practice, not evidence.

5. Counts as right if it has: (1) a question about how long students in your class read each night whose answers vary, so data from several people or days can settle it, such as “How many minutes do the students in our class read each night?”; (2) a prediction of the answer; (3) what data to collect and from whom, such as each student in the class. A question with only one answer, such as “How long did I read last night?”, or no prediction, does not count.

Evidence for the stated action: Checks the bounded response named here against the supplied problem. A single example does not certify the whole parent skill or outcome.

Counts as right if it has: (1) a question about how long students in your class read each night whose answers vary, so data from several people or days can settle it, such as “How many minutes do the students in our class read each night?”; (2) a prediction of the answer; (3) what data to collect and from whom, such as each student in the class. A question with only one answer, such as “How long did I read last night?”, or no prediction, does not count.

How many minutes do the students in our class read each night? I predict most students read about 20 minutes. I will ask each student in our class to write how many minutes they read last night.