Explorer's Crossing Points

Find stops where latitude and longitude lines meet.

SS24.3.1b "Locate points on a grid using latitude and longitude coordinates."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline each latitude and longitude clue about a stop. Circle the stop's name so you can match it to its location.

Mina's Practice Chart

1. Explorer Mina uses a pretend chart to plan a trip across a huge region. The chart has three latitude lines: 10°N, 20°N, and 30°N. They run from left to right. Three longitude lines, 40°E, 50°E, and 60°E, run from top to bottom. Mina finds each stop where one latitude line crosses one longitude line.

2. Mina's first stop is Kite Camp. It sits on the 10°N line and the 40°E line. River Gate is on that same latitude line, but its longitude line is 60°E. She notices that these two stops share a row, even though River Gate is farther right on her chart. This chart is for practice, not a real travel guide.

3. At Rock Tower, Mina follows the middle latitude line, 20°N, until it crosses the rightmost longitude line, 60°E. Salt Lake is farther north, on the 30°N latitude line. Its longitude is 50°E, the middle column. Mina writes latitude first and longitude second so anyone using the chart can find each stop the same way.

2 ANSWER WITH EVIDENCE

Use the passage

1. Which stop is at 10°N, 40°E?

2. Write River Gate's latitude and longitude, in that order.

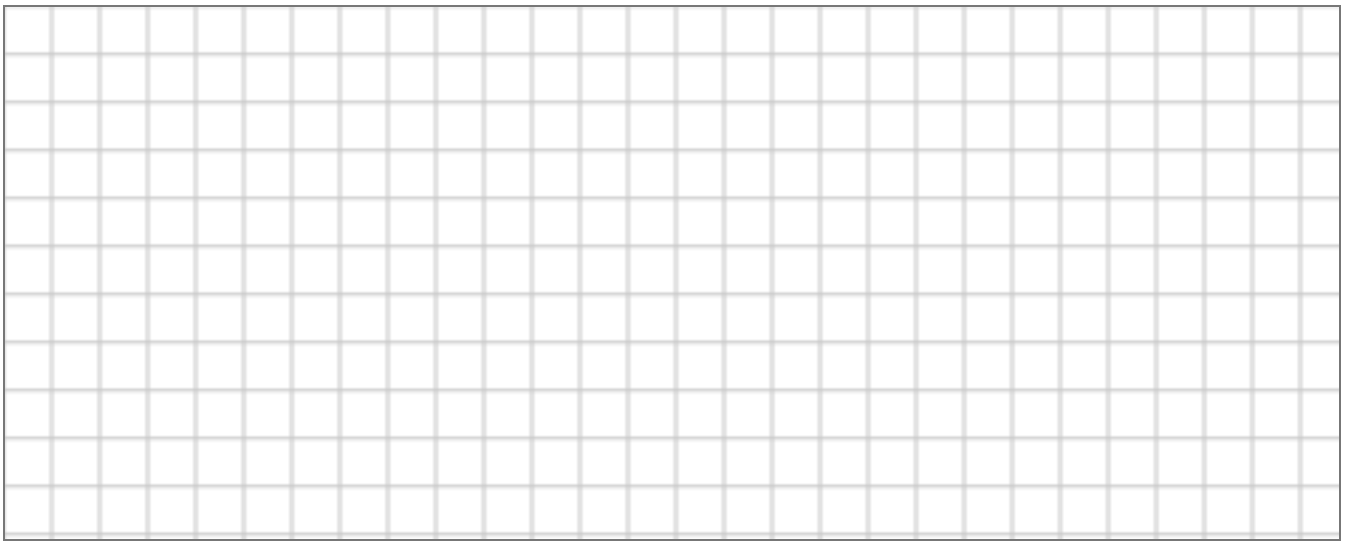
3. Which stop is at 20°N, 60°E?

4. Write Salt Lake's latitude and longitude, in that order.

3 YOUR TURN

Your own words

On the grid, label three horizontal lines 10°N, 20°N, and 30°N from bottom to top, then label three vertical lines 40°E, 50°E, and 60°E from left to right. Plot two new stops at crossings not used in the passage, name each stop, and write its latitude and longitude beside it.



ANSWER KEY

Explorer's Crossing Points

GRADE 3 · SS24.3.1b

PART 1 · READ AND MARK

Underline each latitude and longitude clue about a stop. Circle the stop's name so you can match it to its location. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	Which stop is at 10°N, 40°E?	**Kite Camp.**
2	Write River Gate's latitude and longitude, in that order.	**10°N, 60°E.**
3	Which stop is at 20°N, 60°E?	**Rock Tower.**
4	Write Salt Lake's latitude and longitude, in that order.	**30°N, 50°E.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

The grid has the latitude lines in order from bottom to top and the longitude lines in order from left to right. Drum Stop is plotted at 20°N, 40°E. Wind Post is plotted at 30°N, 60°E.

Accept any two named stops at different, unused crossings with matching coordinate labels. Check that latitude is written before longitude.