Lunch Stand Forecast

Read economic data, identify trends, and make a supported prediction.

E.P.2.4.A "Evaluate economic data from charts and graphs, noting trends and making predictions."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline the sentence that explains how to calculate revenue, then circle the first and last values in each numeric table column to help you compare trends.

Planning Next Year's Lunches

1 Every fall, a lunch stand near a high school records its usual price and the number of lunches sold during one typical school week. The table shows records from four different years. The owner wants to plan for 2026, but a prediction should be based on the pattern in the numbers, not just a guess.

LUNCH STAND RECORDS FOR A TYPICAL SCHOOL WEEK EACH FALL

Year	Price per lunch ($)	Lunches sold per week
2022	8	500
2023	9	470
2024	10	430
2025	11	400

2 The stand pays for ingredients, workers, and equipment. Its weekly sales revenue is the price of one lunch multiplied by the number of lunches sold. Revenue is not profit, since expenses must still be paid. A stand can sell fewer lunches without necessarily taking in less money if the price changes at the same time.

3 A trend can help with planning, but it cannot guarantee next year's results. A school schedule change, a new nearby stand, or a rise in ingredient costs could affect what happens next. Treat a forecast as a reasonable estimate, and explain which numbers support it and what might make the outcome different.

2 ANSWER WITH EVIDENCE

Use the passage

1. How did the price of one lunch change from 2022 to 2025? Give the total change.

2. Which one-year interval had the largest drop in weekly lunches sold? How many fewer lunches were sold?

3. From 2023 to 2024, did price and weekly lunches sold move in the same direction or opposite directions? Use both changes to explain.

4. A customer claims the stand's weekly sales revenue fell from 2022 to 2025. Test this claim with two calculations.

3 YOUR TURN

Your own words

Suppose the owner sets a $12 price in 2026. In three or four sentences, predict weekly lunches sold and weekly sales revenue, use at least two values from the table to support your estimate, and name one factor that might change the result.

ANSWER KEY

Lunch Stand Forecast

HIGH SCHOOL · E.P.2.4.A

PART 1 · READ AND MARK

Underline the sentence that explains how to calculate revenue, then circle the first and last values in each numeric table column to help you compare trends. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	How did the price of one lunch change from 2022 to 2025? Give the total change.	**The price rose from $8 to $11, an increase of $3.**
2	Which one-year interval had the largest drop in weekly lunches sold? How many fewer lunches were sold?	**From 2023 to 2024, sales fell from 470 to 430 lunches, a drop of 40.**
3	From 2023 to 2024, did price and weekly lunches sold move in the same direction or opposite directions? Use both changes to explain.	**They moved in opposite directions. Price rose from $9 to $10, while weekly lunches sold fell from 470 to 430.**
4	A customer claims the stand's weekly sales revenue fell from 2022 to 2025. Test this claim with two calculations.	**The claim is incorrect. Revenue was $8 × 500 = $4,000 in 2022 and $11 × 400 = $4,400 in 2025, an increase of $400.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

I predict the stand will sell 370 lunches in a typical week in 2026. Weekly lunches sold fell from 430 in 2024 to 400 in 2025, so another drop of 30 is a reasonable estimate. At $12 per lunch, estimated weekly sales revenue would be $4,440. A new nearby lunch option could lower sales further.

Accept other reasonable sales forecasts supported by at least two table values. The revenue prediction must equal $12 multiplied by the student's predicted number of lunches.