Market Day Numbers

Read a sales chart and decide what its numbers can tell you.

5.P.2.4.A "Interpret and draw conclusions from economic data on charts and graphs."

NAME _____ DATE _____

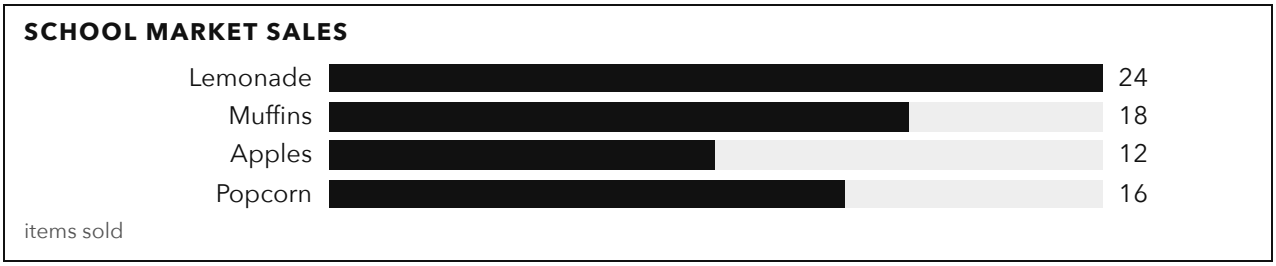
1 READ AND MARK

Read it twice

YOUR JOB Underline two conclusions in the passage that the chart supports. Circle one sentence that names something the chart cannot show.

Sales at the School Market

1 At the school market, four student booths sold food and drinks to raise money for a garden. Each item cost $2. The chart shows how many items each booth sold during one afternoon. The students used the counts to compare sales. They also wanted to know how much money came in before paying for supplies.



2 The lemonade booth sold the most items, while the apple booth sold the fewest. The difference between these booths was twelve items. Since every item had the same price, a booth with more sales brought in more money. These results describe one afternoon, not what will happen at every market.

3 The chart does not show how much the students spent on cups, fruit, or other supplies. Money left after expenses is called profit, so the chart cannot tell which booth earned the most profit. It also does not show how many items each booth had ready to sell. A booth might have sold out early.

2 ANSWER WITH EVIDENCE

Use the passage

1. How many items did the muffin and popcorn booths sell altogether? Use the chart numbers.

2. How much more money came in at the lemonade booth than at the muffin booth? Show how you know.

3. The booths hoped to sell at least 20 items each. Which booths met that goal? Use the chart to explain.

4. Can you tell which booth made the most profit? Explain why or why not.

3 YOUR TURN

Your own words

Predict that each booth will sell four more items at the next market than it sold in the chart. Draw a bar graph of your predictions with a title, labeled axes, and a number scale, then write two sentences: one conclusion from your graph and one reason the numbers are predictions.

ANSWER KEY

Market Day Numbers

GRADE 5 · 5.P.2.4.A

PART 1 · READ AND MARK

Underline two conclusions in the passage that the chart supports. Circle one sentence that names something the chart cannot show. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	How many items did the muffin and popcorn booths sell altogether? Use the chart numbers.	**The two booths sold 34 items altogether: 18 muffins plus 16 popcorn items.**
2	How much more money came in at the lemonade booth than at the muffin booth? Show how you know.	**The lemonade booth sold 6 more items. At $2 each, it took in $12 more.**
3	The booths hoped to sell at least 20 items each. Which booths met that goal? Use the chart to explain.	**Only the lemonade booth met the goal. It sold 24 items; the other booths sold fewer than 20.**
4	Can you tell which booth made the most profit? Explain why or why not.	**No. The chart shows items sold, but it does not show each booth's expenses.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

Graph title: Predicted Sales at the Next Market. Horizontal axis: Booth, labeled Lemonade, Muffins, Apples, and Popcorn. Vertical axis: Items sold, marked from 0 to 30 in steps of 5. Bar heights: Lemonade 28, Muffins 22, Apples 16, Popcorn 20. Lemonade is predicted to sell the most items. These numbers are predictions because the next market has not happened.

For the marking job, accept any two chart-supported conclusions in paragraph two and a circled limitation in paragraph three. For the graph, check that each bar is four items higher than its matching bar in the passage.