

Question 17 is an open-response question.

- **BE SURE TO ANSWER AND LABEL ALL PARTS OF THE QUESTION.**
- **Show all your work (diagrams, tables, or computations) in your Student Answer Booklet.**
- **If you do the work in your head, explain in writing how you did the work.**

Write your answer to question 17 in the space provided in your Student Answer Booklet.

- 17** The picture below shows the playing board for the new game show *Guess What*. In each game, players win points by answering questions about five different categories. Each category has 5 questions to be answered. The number of points that a question is worth is shown on the playing board. (For example, the first question in each category is worth 25 points.)

GUESS WHAT				
States	People	Dates	Rivers	Books
25	25	25	25	25
50	50	50	50	50
100	100	100	100	100
200	200	200	200	200
400	400	400	400	400

- How many points will a player earn if he or she answers all the questions in the “States” category correctly? Show your work or explain how you got your answer.
- What is the fewest number of questions a player could answer correctly and earn exactly 375 points? Show your work or explain how you got your answer.
- Mr. Anderson earned exactly 1250 points. He answered more than 5 questions correctly. Show one way that Mr. Anderson could have answered more than 5 questions correctly to earn exactly 1250 points. Explain how you got your answer.

Mathematics

SESSION 2

You may use your tool kit and MCAS ruler during this session.

You may **not** use a calculator during this session.



DIRECTIONS

This session contains seventeen multiple-choice questions, three short-answer questions, and two open-response questions. Mark your answers to these questions in the spaces provided in your Student Answer Booklet.

- 18 Max and Sam wrote a number sentence to show that Max is older than Sam. In their number sentence,
- M represents Max's age in years, and
 - S represents Sam's age in years.

Which number sentence shows that Max is older than Sam?

- A. $M < S$
- B. $M > S$
- C. $M = S$
- D. $M + S = 10$

- 19 A factory made 13,424 ice cream sandwiches in an 8-hour period. What is 13,424 rounded to the nearest hundred?
- A. 10,000
 - B. 13,000
 - C. 13,400
 - D. 13,500

- 20 What is the remainder for the division problem shown below?

$$496 \div 6 = ?$$

- A. 0
- B. 1
- C. 3
- D. 4