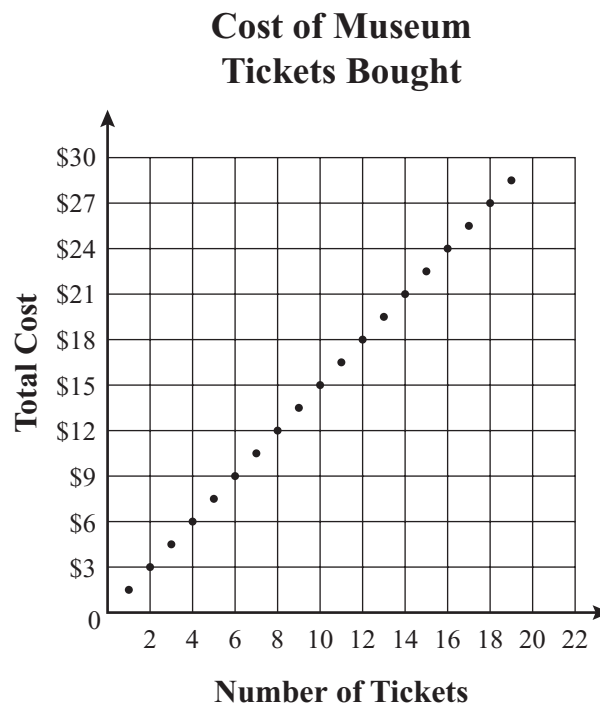


Question 13 is an open-response question.

- **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 13 in the space provided in your Student Answer Booklet.

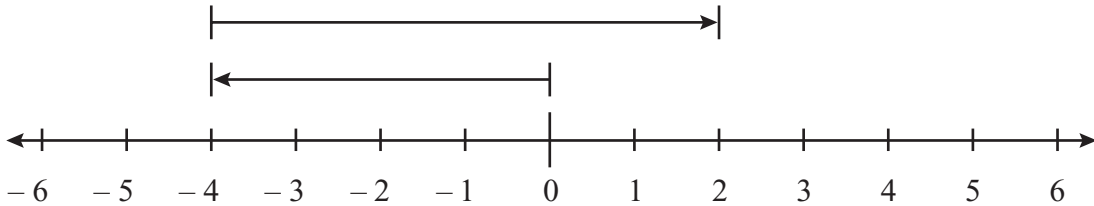
- 13** The graph below shows the relationship between the number of museum tickets bought and the total cost of the tickets.



- What is the greatest number of museum tickets that can be bought for \$21?
- What is the cost of 1 museum ticket? Show or explain how you got your answer.
- Using numbers, words, or symbols, write a rule that could be used to find the total cost of any number of museum tickets. You may use n to represent the number of museum tickets bought.
- Calvin bought a one-year museum pass for \$45. The pass allows him to visit the museum an unlimited number of times during one year. What is the least number of times Calvin must visit the museum, during one year, in order for his one-year pass to be less expensive than buying a single museum ticket for each visit? Show or explain how you got your answer.

Mark your answers to multiple-choice questions 14 through 16 in the spaces provided in your Student Answer Booklet. Do not write your answers in this test booklet. You may do your figuring in the test booklet.

- 14 Corazon used the number line model shown below to help her write a true number sentence.



Which of the following could be Corazon’s number sentence?

- A. $-4 + 2 = 6$
- B. $-4 + 6 = 2$
- C. $2 + 6 = -4$
- D. $2 + -4 = 6$

- 15 Henry had a piece of rope that was $23\frac{1}{2}$ inches long. Henry cut the rope into two pieces so that one piece was $8\frac{1}{4}$ inches long. What was the length of the other piece of rope?

- A. $15\frac{1}{4}$ inches
- B. $15\frac{1}{2}$ inches
- C. $31\frac{1}{3}$ inches
- D. $31\frac{3}{4}$ inches

- 16 A class of 25 students went to a zoo.

- The total admission cost for the 25 students was \$56.25.
- The admission cost was the same for each student.

What was the admission cost for 1 student?

- A. \$2.15
- B. \$2.20
- C. \$2.25
- D. \$2.50