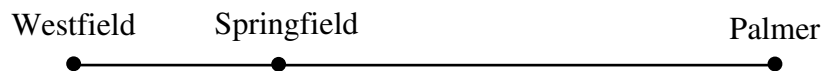


Mathematics, Grade 6

- 9 The line below shows the locations of three towns on a highway.



The distance from Westfield to Springfield is 10 miles, and the distance from Westfield to Palmer is 25 miles. What is the distance, in miles, from Springfield to Palmer?

- A. 15
- B. 20
- C. 30
- D. 35

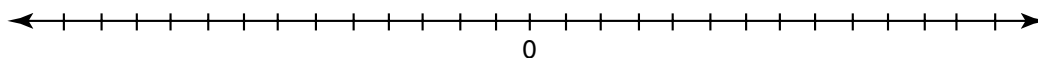
Reporting Category for Item 9: **Geometry**

Mathematics, Grade 6

Session 1, Open-Response Question



Use the number line below to answer question 10.



- 10 a. Draw a number line like the one above in your Student Answer Booklet. Correctly position the following set of integers beneath the marks on your number line.

$+10, -3, +6, +1, -9, -6$

- b. Explain why you decided where to place -3 on your number line.
- c. Which number is greater: -10 or $+3$? Explain your answer.
- d. Which number is greater: -3 or -6 ? Explain your answer.

Reporting Category for Item 10: Number Sense and Operations

Mathematics, Grade 6

Session 1, Short-Answer Questions



- 11 Liam is playing a game with a deck of colored cards. The chart below shows the number of cards of each color in the deck.

Liam's Cards

| Color of Cards | Number of Cards |
|----------------|-----------------|
| Blue | 2 |
| Green | 3 |
| Red | 5 |
| Yellow | 1 |
| Orange | 1 |

If Liam draws one card without looking, what is the probability he will draw a green card?

Reporting Category for Item 11: Data Analysis, Statistics, and Probability

- 12 The approximate costs of running an automobile in 1994 are shown in the chart below.

Automobile Costs in 1994

| Item | Amount |
|-------------|---------|
| Gas and Oil | \$750 |
| Other | \$2,250 |
| Total Cost | \$3,000 |

What fraction would represent the ratio of the cost of gas and oil to the total cost of running a car in 1994? Write your fraction in simplest form.

Reporting Category for Item 12: Number Sense and Operations