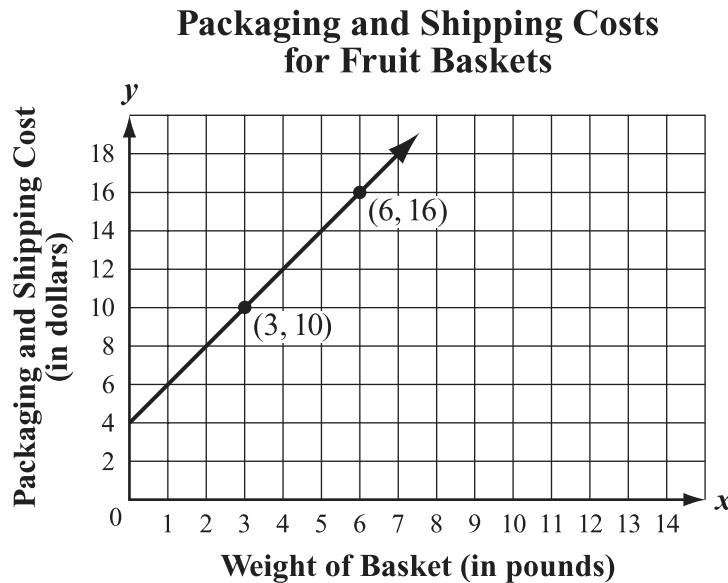


Write your answer to question 21 in the space provided in your Student Answer Booklet.

- 21 A company packages fruit baskets of different weights and ships them to customers. The company charges a flat fee for packaging the baskets. The total packaging and shipping cost in dollars,  $y$ , of a fruit basket weighing  $x$  pounds is represented by the line on the graph below.



- What is the  $y$ -intercept of the line on the graph?
- What does the  $y$ -intercept of the line represent in this situation?
- What is the slope of the line on the graph? Show or explain how you got your answer.
- What does the slope of the line represent in this situation?
- Write an equation that represents the line on the graph.
- Use the equation you wrote in part (e) to determine the weight, in pounds, of the heaviest fruit basket that could be packaged and shipped for \$50. Show or explain how you got your answer.