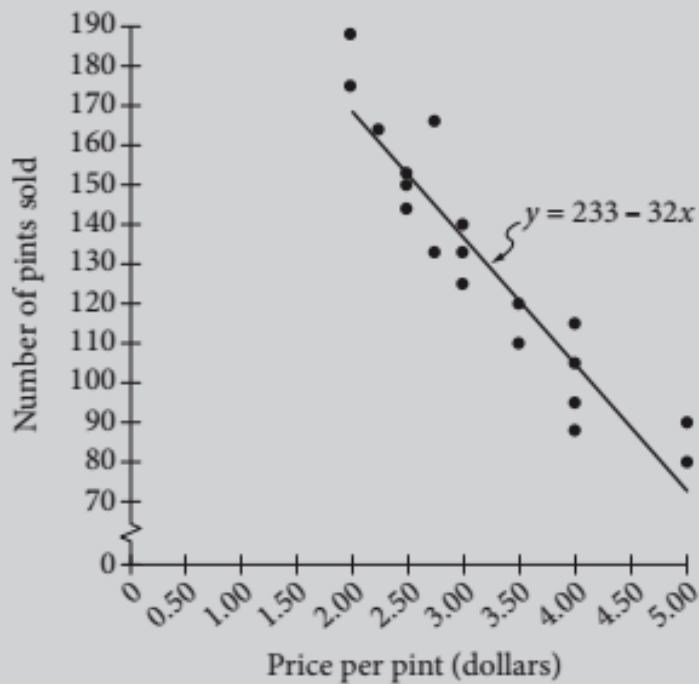


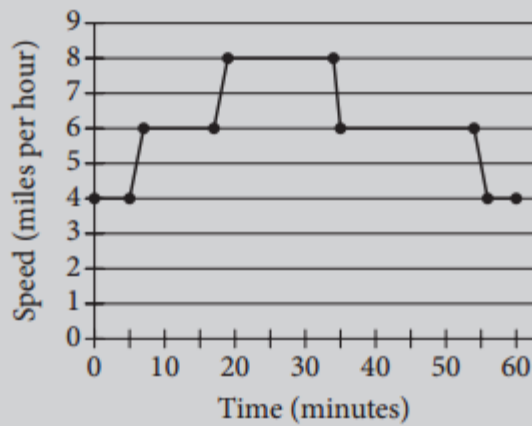
1. According to the line of best fit, how many pints of



A grocery store sells pints of raspberries and sets the price per pint each week. The scatterplot above shows the price and the number of pints of raspberries sold for 19 weeks, along with the line of best fit and the equation for the line of best fit.

raspberries would the grocery store expect to sell in a week when the price of raspberries is \$4.50 per pint?

2. For how many of the 19 weeks shown was the number of pints of raspberries sold greater than the amount predicted by the line of best fit?



Each evening, Maria walks, jogs, and runs for a total of 60 minutes. The graph above shows Maria's speed during the 60 minutes. Which segment of the graph represents the times when Maria's speed is the greatest?

- A) The segment from (17, 6) to (19, 8)
- B) The segment from (19, 8) to (34, 8)
- C) The segment from (34, 8) to (35, 6)
- D) The segment from (35, 6) to (54, 6)

3.

A store is deciding whether to install a new security system to prevent shoplifting. The security manager of the store estimates that 10,000 customers enter the store each week, 24 of whom will attempt to shoplift. The manager estimates the results of the new security system in detecting shoplifters would be as shown in the table below.

	Alarm sounds	Alarm does not sound	Total
Customer attempts to shoplift	21	3	24
Customer does not attempt to shoplift	35	9,941	9,976
Total	56	9,944	10,000

According to the manager's estimates, if the alarm sounds for a customer, what is the probability that the customer did *not* attempt to shoplift?

- A) 0.03%
- B) 0.35%
- C) 0.56%
- D) 62.5%

4.

