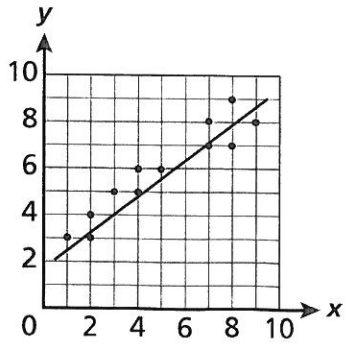
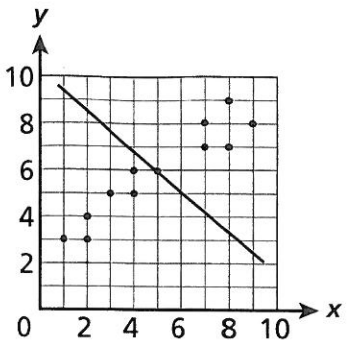
124080054_1

Which line represents the best fit for the scatter plot data?

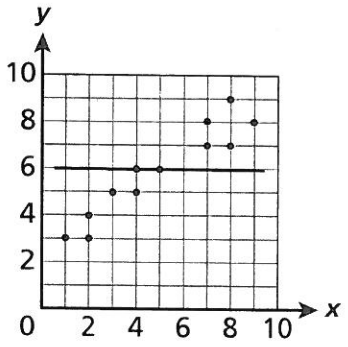
A



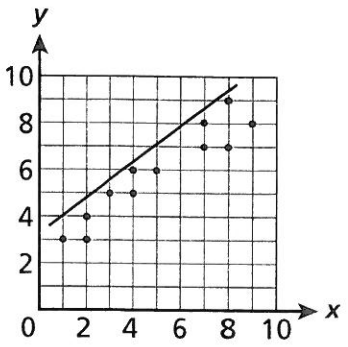
C



B

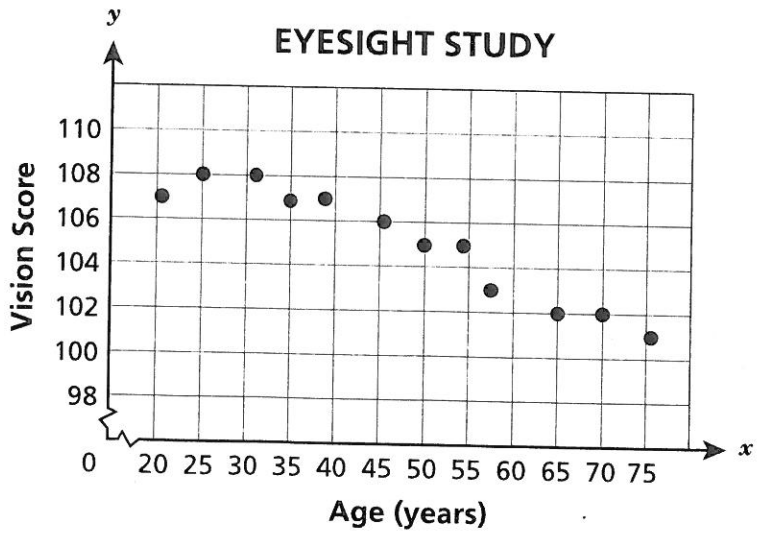


D



134080300_2

A researcher studied the eyesight of people at different ages. She calculated a vision score for each person in the study and plotted the data on the graph below.



The researcher used the line $y = -0.1x + 110$ to model the data. When she substituted the value $x = 65$ into this equation, what did the result tell her?

A the exact value for the vision score of a 65-year-old

B the predicted value for the vision score of a 65-year-old

C the minimum possible value for the vision score of a 65-year-old

D the maximum possible value for the vision score of a 65-year-old

41

134080302_2

SP

Mr. Wallace surveyed 75 students at Poole Middle School to find out the students' favorite place to eat lunch. The results are shown below.

FAVORITE PLACE TO EAT LUNCH

	Cafeteria	Outside	Total
Boys	16	21	37
Girls	24	14	38
Total	40	35	75

Which table shows the approximate relative frequencies of Mr. Wallace's data?

A

FAVORITE PLACE TO EAT LUNCH

	Cafeteria	Outside	Total
Boys	16%	21%	37%
Girls	24%	14%	38%
Total	40%	35%	75%

C

FAVORITE PLACE TO EAT LUNCH

	Cafeteria	Outside	Total
Boys	40%	60%	49%
Girls	60%	40%	51%
Total	100%	100%	100%

B

FAVORITE PLACE TO EAT LUNCH

	Cafeteria	Outside	Total
Boys	21%	28%	49%
Girls	32%	19%	51%
Total	53%	47%	100%

D

FAVORITE PLACE TO EAT LUNCH

	Cafeteria	Outside	Total
Boys	43%	57%	100%
Girls	63%	37%	100%
Total	53%	47%	100%

134080096_2

Annette plans to visit an amusement park where she must pay for admission and purchase tickets to go on the rides. Annette wants to find the total cost for a day at the amusement park. She wrote the equation $c = 1.50x + 12$ to predict c, the total cost for a day at the amusement park. What could the number 12 represent in Annette's equation?

A the number of rides

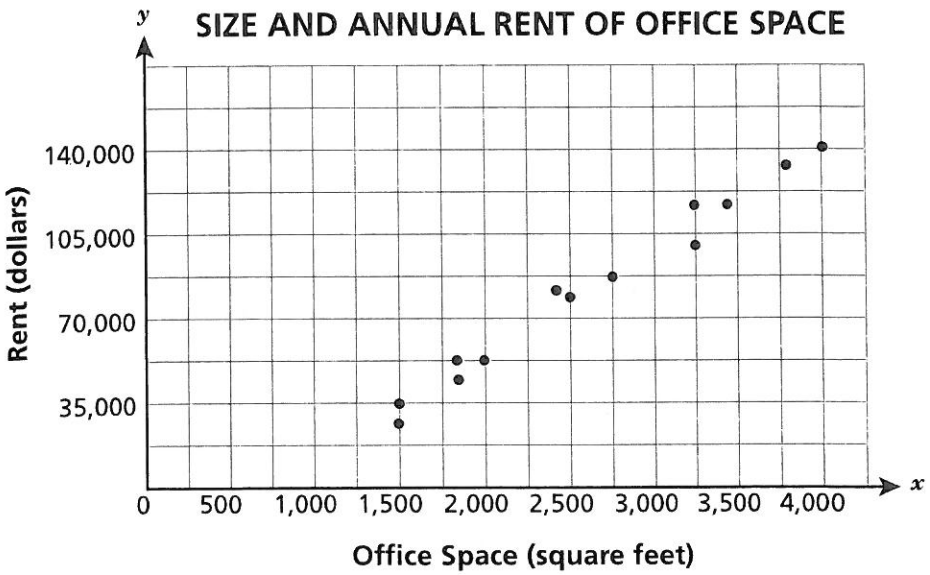
B the cost of admission

C the cost of each ticket

D the number of tickets

134080420_2

The scatter plot shows the sizes and annual rents of some office spaces in the downtown area of a city.



What would the line of best fit reveal about these data?

A There is a strong negative relationship between the cost of rent and the size of the office space.

B There is a strong positive relationship between the cost of rent and the size of the office space.

C There is a weak positive relationship between the cost of rent and the size of the office space.

D There is a weak negative relationship between the cost of rent and the size of the office space.