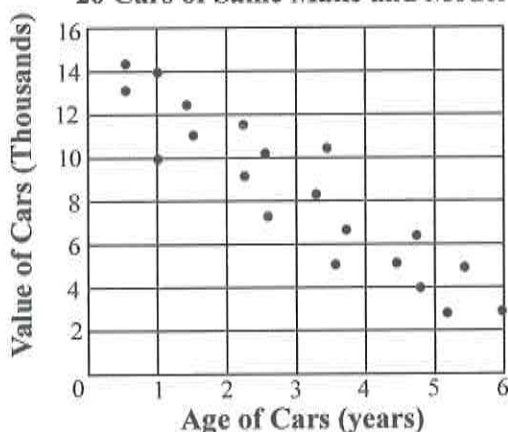


43. If the trend continues, in what year will the cars be worth less than \$1000?

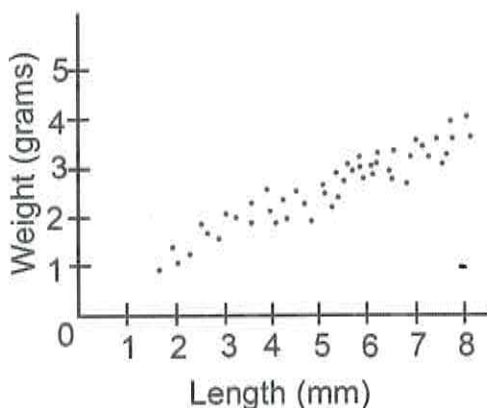
20 Cars of Same Make and Model



- (A) 6
(B) 7
(C) 8
(D) 9

8.4.1.2

44. The scatter plot below shows the weight of worms as a function of the length of the worm.



A worm which is 10 mm long is most likely to weigh, to the nearest gram, how many grams?

- (A) 1 grams
(B) 2.5 grams
(C) 3.5 grams
(D) 5 grams

8.4.1.2

45. Melia decided to chart how fast she can read. She sat down and read for an hour, and made the following chart.

Total Min. Read (x)	Total Pages Read (y)
0	0
10	7
20	14
30	22
40	29
50	35
60	43

Write an equation for a line of best fit.

8.4.1.1

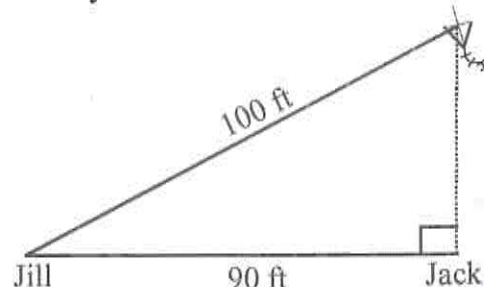
46. Using the equation you found in question 45, what is the slope of your equation? What does the slope mean in the context of this problem?

8.4.1.2

47. Acme Alarm Co. charges (C) \$85 per month plus \$175 per response (R) to an alarm according to the formula $C = 85 + 175R$. Wilson Pharmaceutical Supply received a monthly bill of \$1,310. How many times did Acme Alarm Co. respond that month?

8.2.4.1

48. Jill is flying a kite on 100 feet of sting. She holds the end of the kite string to the ground while Jack measures the distance to a point directly under the kite.



If the distance from Jill to Jack is 90 feet, how high is the kite above the ground? Answer to the nearest whole foot.

8.3.1.1