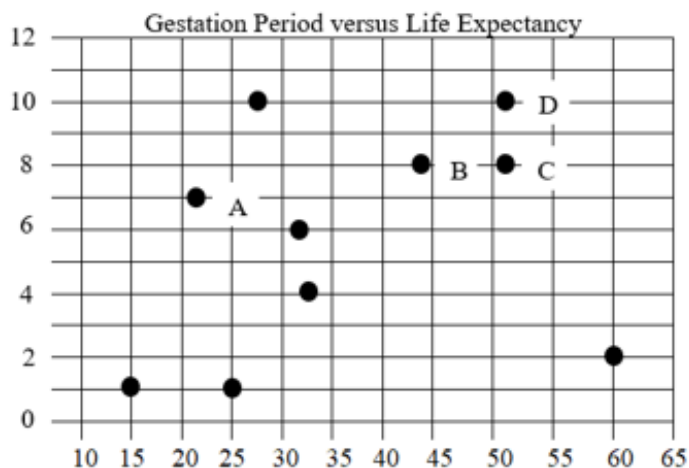


Week 3 Homework



Of the labeled points, which represents the lizard for which the ratio of life expectancy to gestation period is greatest?

- A. A
- B. B
- C. C
- D. D

A curator at a reptile preserve created the scatterplot above to examine the relationship between the gestation period and life expectancy of 10 species of lizards.

What is the life expectancy, in years, of the lizard that has the longest gestation period?

- A. 3
- B. 4
- C. 8
- D. 10

- i. What is the title of the graph?
- ii. What is the X-axis?
- iii. What is the Y-axis?
- iv. How do they both relate to the problem?

Bus	Maximum Capacity	Flat Cost	Price Per Passenger
Bus A	10 passengers	\$50	\$10 / passenger
Bus B	25 passengers	\$75	\$8 / passenger
Bus C	50 passengers	\$150	\$5 / passenger

Party Buses has three buses it rents for events. The cost for each is a flat fee plus a certain amount per passenger. Each bus has a maximum number of passengers that cannot be exceeded.

Sarah planned a downtown night trip for her birthday with Party Buses. Her parents had said they would pay for Bus B and 24 passengers, the original number of passengers Sarah had in mind. Sarah decided to invite 3 more passengers, and paid for the additional cost for Bus C and the extra passengers out of her own pocket. How much did Sarah pay?

- A. \$18
- B. \$24
- C. \$90
- D. 93