

Name: _____

5th grade Data Analysis



Photo: Courtesy of Virginia Department of Wildlife Resources

On May 26, 2023, four RVA falcon chicks were banded. The table below shows data that was gathered. You may use a calculator to answer the following questions:

Chick Sex	Tape Color	Band ID	Weight
Female 1	Green	97/BK	947.9 grams (2.09 lbs)
Female 2	Red	96/BK	975.3 grams (2.15 lbs)
Male 1	White	89/BN	664.5 grams (1.46 lbs)
Male 2	Blue	90/BN	650.5 grams (1.43 lbs)

Use **weight in lbs** to answer questions 1-4.

1. What is the average weight of the four chicks?
2. What is the spread of the chicks' weights?
3. Suppose an additional chick was added that weighed 2 lbs. Would this affect the mode? Explain.
4. How would the 2lb chick affect the mean? Explain.

Use the **Band ID** numbers for the rest of the questions

5. Mean: _____ 6. Median: _____ 7. Mode: _____ 8. Range: _____

6. Which measure of center is used to find the number in the middle of the data points?

7. Which measure of center is used to find the fair share of the data?

8. Suppose a chick with band #105 was added to the clutch. Would this affect the mode? Explain.

9. Would the range be affected? Explain.

10. Name the measure of center used to locate the number that occurs the most often?