

INVESTIGATION ANSWERS

Organizing and Analyzing Data:

1

Frequency Table

Number of Brothers and Sisters	Tally	Freq.
0		4
1		7
2		5
3		3
4		1

2

Frequency Table

Weight	Tally	Freq.
11–15 lb		5
16–20 lb		10
21–25 lb		7

3

Frequency Table

Rainfall	Tally	Freq.
15–19 in.		5
20–24 in.		4
25–29 in.		2
30–34 in.		4

4 12

5 4 people

6 a. 9, 11, 13

b. The mode is the number with the most Xs above it.

c. Sample: Count up 10 Xs from 8 or count down 10 Xs from 22. The median is between two Xs in the 12 column, so the median is 12.

7 19 years

8 21 iguanas

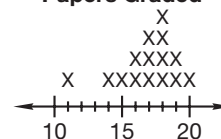
9 15 iguanas

10 18 years

11 9 years

12

Papers Graded



13 11

14 18

15 17

16 50

17 45

18 28 students

19 a. No; five students named spaghetti as their favorite. Ten is twice as many as 5, but the number who named pizza was not 10—it was 9.

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b. No; sample: some bar graphs like this one display qualitative information such as personal preferences. Measures like median, mode, and range do not apply to this graph.

20 80 feet

21 10 seconds

22 a. 2; sample: the number of butterflies can be shown using half symbols to represent 1 or whole symbols to represent 2.

b. 1

c. Owl butterfly; sample: the pictograph shows that the owl butterfly has the most number of pictures.

d. 15

23 See student work.

a. See student work.

b. See student work.

c. See student work.

24 See student work.