Lesson 7.2 Frequency Tables

A **frequency table** shows how often an item, a number, or a range of numbers occurs. The **cumulative frequency** is the sum of all frequencies up to and including the current one. The **relative frequency** is the percentage of a specific frequency.

Make a frequency table for these test scores:

71, 85, 73, 92, 86, 79, 87,

98, 82, 93, 81, 89, 88, 96

Test Scores

Score	Frequency	Cumulative Frequency	Relative Frequency
71–75	2	2	14.3%
76–80	1	3	7.1%
81–85	3	6	21.4%
86–90	4	10	28.6%
91–95	2	12	14.3%
96–100	2	14	14.3%

Use the following data to complete the frequency table.

1. Cats' weights (in pounds):

9.4375, 11.375, 12.1875,

11.625, 8.625, 9.6875,

8.875, 12.5, 9.375,

10.25, 10.625, 12.0625,

11.875, 8.9375, 9.75,

10.1875, 10.125, 10.1875,

12.0, 9.125

Cats' Weights

Weight (in pounds)	Frequency	Cumulative Frequency	Relative Frequency
8.6–8.99			%
9–9.5			%
9.6–9.99			%
10–10.5			%
10.6–10.99			%
11–11.5			%
11.6–11.99			%
12–12.5			%

Answer the following questions about the frequency table above.

2. How many cats weigh 12–12.5 pounds? _____

3. How many cats weigh 10.6–10.99 pounds? _____

4. How many cats weigh less than 10 pounds? _____

5. How many cats weigh 11 pounds or more? _____

6. What percentage of cats are 10–10.5 pounds? _____

7. What percentage of cats are less than 9 pounds? _____