

Pictures of Data Solutions

Excel and Histograms

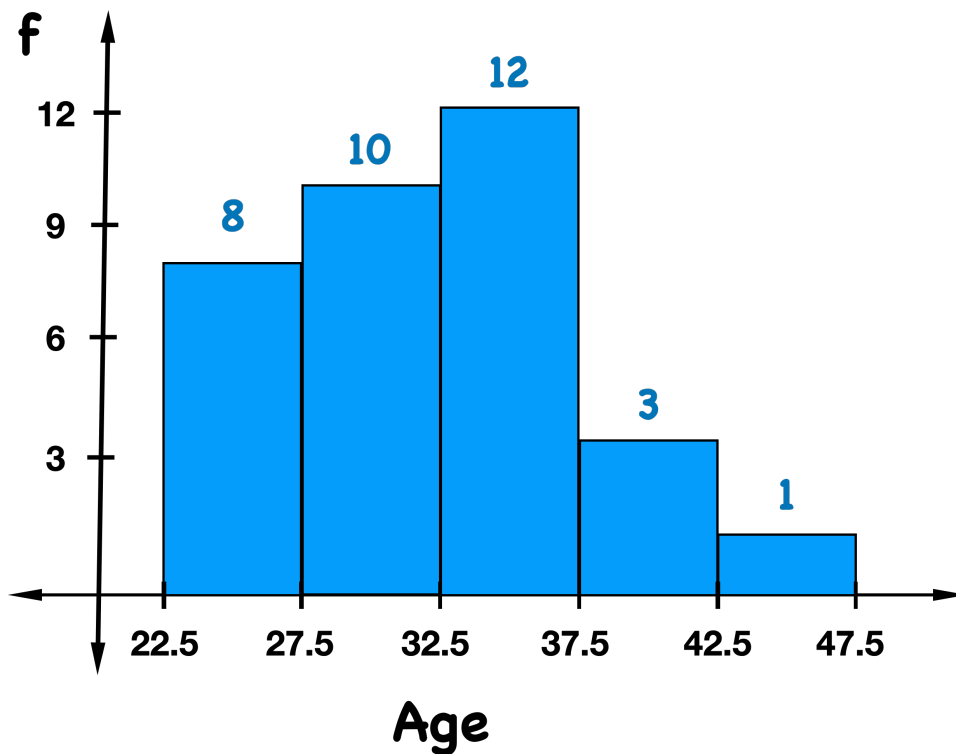
Construct a **Histogram** for the following Relative Frequency Tables and describe the distribution as **left skew, right skew, normal, uniform, or neither**.

1. How old are you?

The following sample data table illustrates the ages (years) of students in a Statistics class.

Years	f	LBL	UBL	m
23 to 27	8	23	27	25
28 to 32	10	28	32	30
33 to 37	12	33	37	35
38 to 42	3	38	42	40
43 to 47	1	43	47	45

Total 34



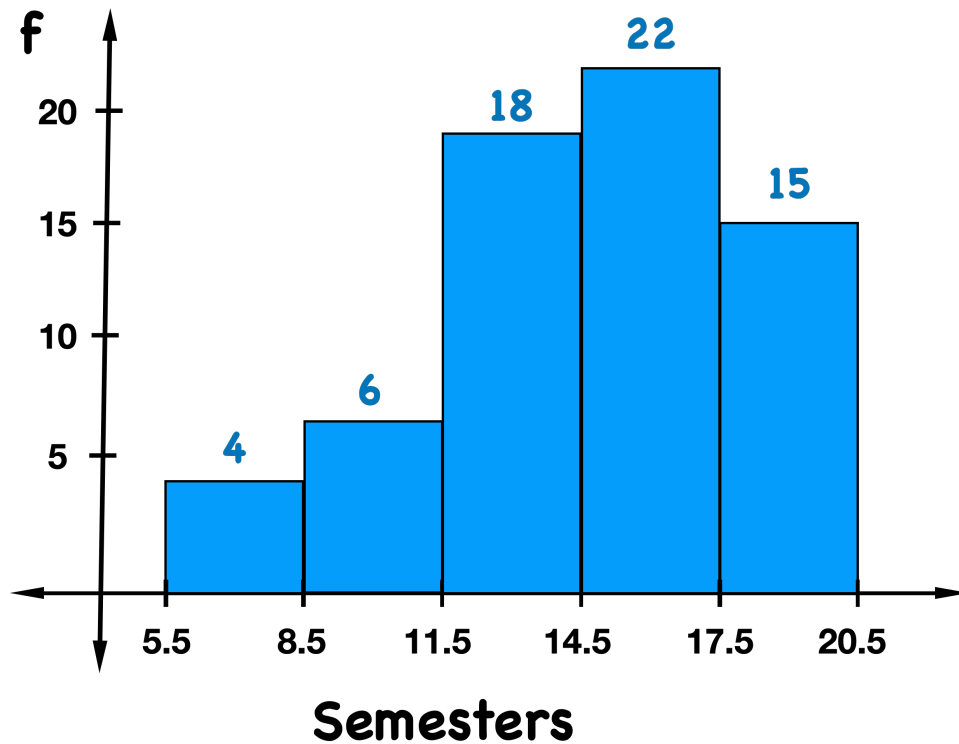
This data looks right skew!

2. How many semesters did it take for you to transfer?

The following sample data illustrates the number of semesters it took for students to transfer from a Community College.

Semesters	f	LBL	UBL	m
6 to 8	4	6	8	7
9 to 11	6	9	11	10
12 to 14	18	12	14	13
15 to 17	22	15	17	16
18 to 20	15	18	20	19

Total 65



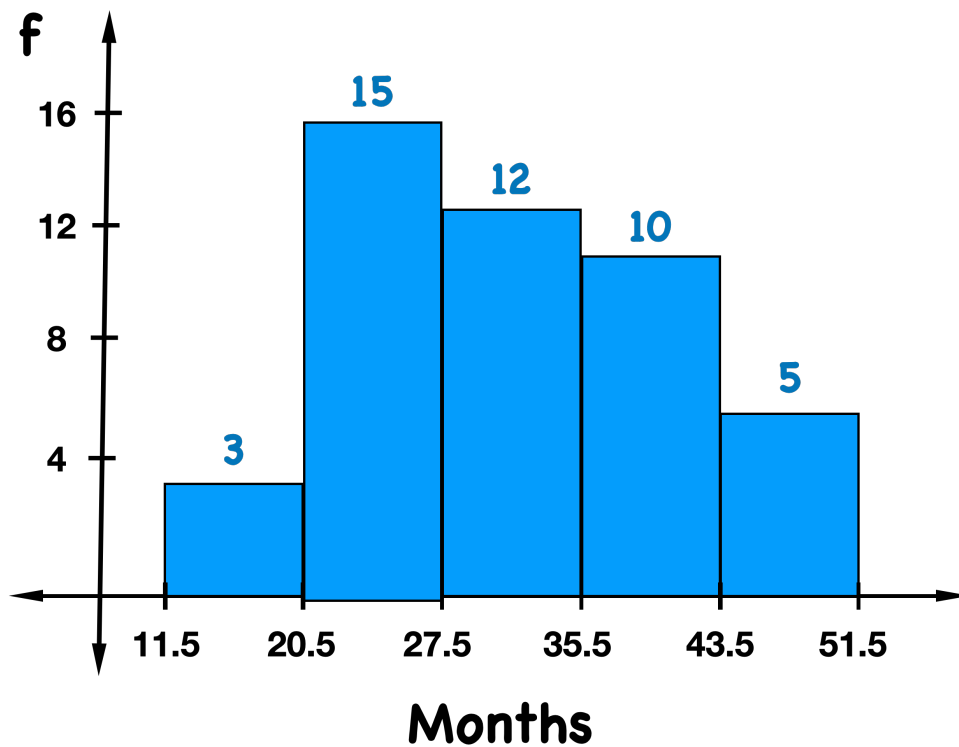
This data looks left skew!

3. Lifespan of an iPhone?

The following data illustrates the lifespan (months) of an iPhone for various customers at Best Buy.

Months	f	LBL	UBL	m
12 to 19	3	12	19	15.5
20 to 27	15	20	27	23.5
28 to 35	12	28	35	31.5
36 to 43	10	36	43	39.5
44 to 51	5	44	51	47.5

Total 45



This data looks left skew!

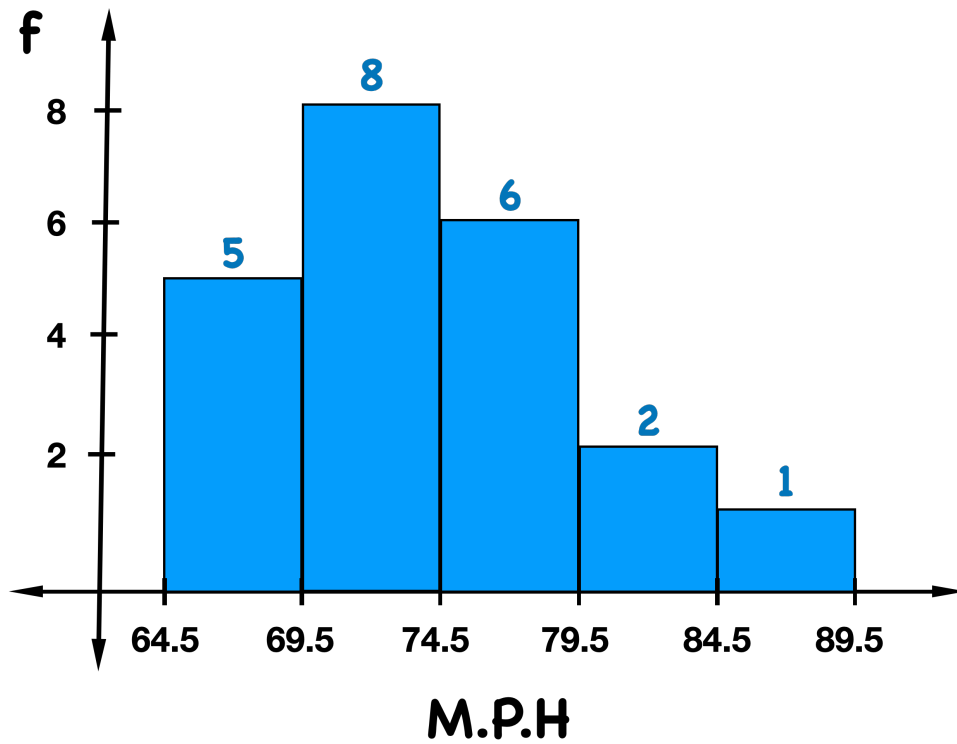
5. How fast do you drive on the freeway?

The following sample data illustrates the speed (MPH) of cars on the freeway.

MPH	f	LBL	UBL	m
65 to 69	5	65	69	67
70 to 74	8	70	74	72
75 to 79	6	75	79	77
80 to 84	2	80	84	82
85 to 89	1	85	89	87

Total

22



This data looks right skew!