

# Pictures of Data

## Frequency Polygons

Construct a **Frequency Polygon using Desmos** 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
23 to 27	8
28 to 32	10
33 to 37	12
38 to 42	3
43 to 47	1

### 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
6 to 8	4
9 to 11	6
12 to 14	18
15 to 17	22
18 to 20	15

### 3. Lifespan of an iPhone?

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

Months	f
12 to 19	3
20 to 27	15
28 to 35	12
36 to 43	10
44 to 51	5

**4. How much sleep do you get during the weekdays?**

The following data illustrates the amount of time (hours) students sleep during a weeknight.

Hours	f
0 to 3	9
4 to 7	11
8 to 11	10
12 to 15	13

**5. How fast do you drive on the freeway?**

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

MPH	f
65 to 69	5
70 to 74	8
75 to 79	6
80 to 84	2
85 to 89	1