# What Is the Store Policy at Plastic Mart?

Survey Results: **What is your favorite kind of pie?**
The "pie chart" shows how 175 people responded to this question.

E. What percent of those surveyed chose apple?

A. How many people chose apple?

L. How many people chose cherry?

S. What is the measure of the central angle for the "Lemon meringue" sector?

I. What is the measure of the central angle for the "Banana cream" sector?

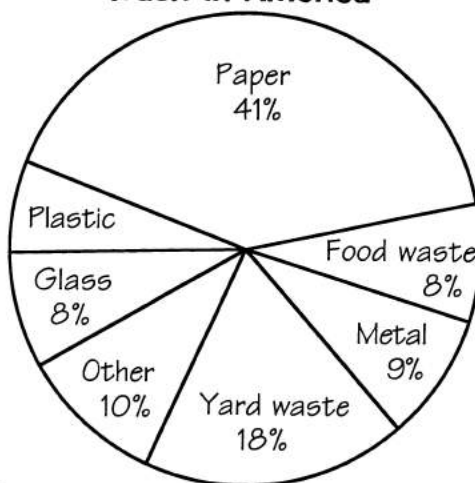**A.** What is the sum of the central angle measures in any circle graph?

Favorite Kind of Pie
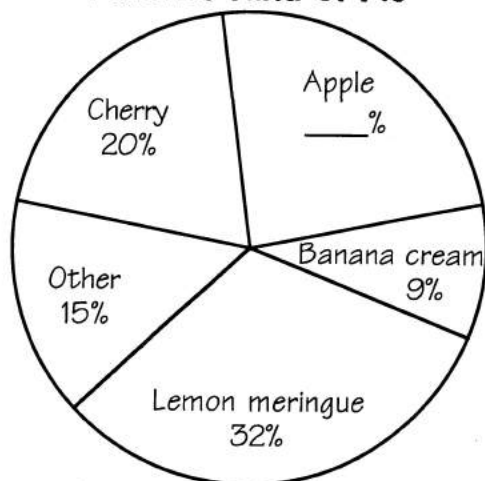
What's in the average American's trash can? The average American throws away about 1800 lb of trash per year. The graph shows the makeup of that trash.

L. What percent of the trash is plastic?

N. How many pounds of glass are thrown away by the average American each year?

A. How many pounds of paper are thrown away by the average American each year?

E. What is the measure of the central angle for the "Yard waste" sector?

L. What is the measure of the central angle for the "Glass" sector?

**R.** What is the sum of the percents in any circle graph?

Trash in America

What is the source of our power? The chart shows the sources of U.S. electricity in a recent year. In a circle graph of this data, what is the central angle measure for each of the following:

S. The "Nuclear power" sector?

Y. The "Coal" sector?

L. The "Oil" sector?

V. The "Other" sector?

Source	Percent
Nuclear power	21.9
Coal	56.3
Oil	3.3
Hydroelectric power	8.5
Natural gas	9.4
Other	0.6

360°	6%	79°	12°	115°	738 lb	24%	2°	144 lb	35
	29°	689 lb	42	65°	15°	100%	8%	32°	203°
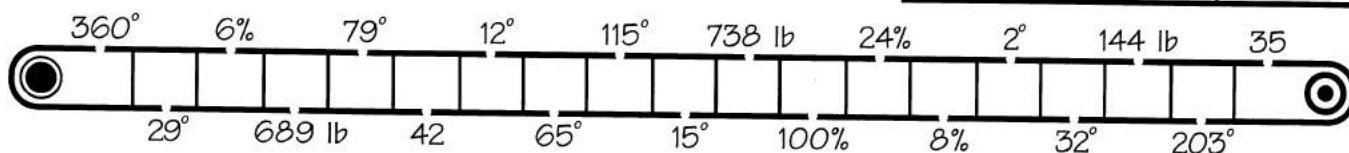
What Kind of People Most Enjoy Finger Painting?

Find each correct answer at the bottom of the page and write the letter for that answer under it.

1 The Sluggers baseball team uses baseball bats in five different lengths. Complete the frequency table and make a histogram to show the lengths of all the bats used by the team. Then answer the three questions.

Lengths of Bats (in.) Used by the Sluggers							
36	36	35	35	36	36	34	35
35	34	36	37	35	37	35	35
37	35	36	35	38	35	37	36

Length	Tally	Total
34		
35		
36		
37		
38		

A What is the mean of the bat lengths?

O

A

T What is the median of the bat lengths?

T

G

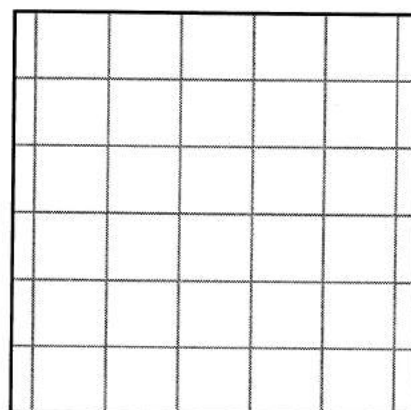**U** What is the mode of the bat lengths?

E
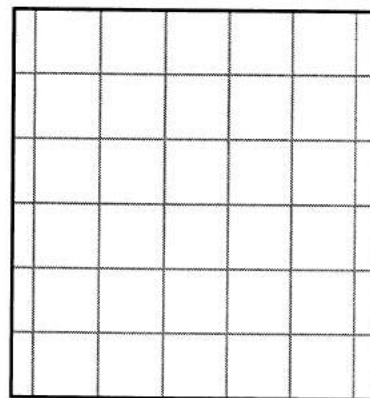
Frequency / Bat Length (in.) — 34 35 36 37 38

2 In 1998 Mark McGuire set a major league record by hitting 70 home runs. Complete the frequency table and make a histogram to show the distances of all 70 home runs that he hit.

Date and Distance (ft) of Mark McGuire's 1998 Home Runs							
3/31	364	5/19	471	6/30	472	8/30	501
4/02	368	5/19	451	7/11	485	9/01	450
4/03	364	5/22	425	7/12	405	9/01	472
4/04	419	5/23	366	7/12	415	9/02	497
4/14	424	5/23	477	7/17	511	9/02	458
4/14	347	5/24	397	7/17	425	9/05	381
4/14	462	5/25	433	7/20	458	9/07	430
4/17	419	5/29	388	7/26	452	9/08	341
4/21	437	5/30	423	7/28	408	9/15	385
4/25	419	6/05	409	8/08	374	9/18	341
4/30	371	6/08	356	8/11	464	9/20	423
5/01	362	6/10	409	8/19	398	9/25	375
5/08	358	6/12	438	8/19	409	9/26	403
5/12	527	6/17	437	8/20	369	9/26	435
5/14	381	6/18	449	8/20	385	9/27	377
5/16	545	6/24	433	8/22	477	9/27	370
5/18	478	6/25	461	8/23	393		
5/19	440	6/27	431	8/26	509		

Distance	Tally	Total	
300-349			**H**
350-399			**T**
400-449			**Y**
450-499			**R**
500-549			**N**

Frequency / Distance (ft) — 300-349 350-399 400-449 450-499 500-549

7	3	1	37 in.	25	2	35 in.	5	4	23	35.7 in.	21	6	10	16	35.5 in.