

Basic Algebra 1.6

Collect and organize data using sampling

Collect and organize data using frequency tables
data

sample

frequency table

tally marks

✕ cumulative frequency table

Sampling Criteria

A good sample is:

- representative of the larger population,
- selected at random, and
- large enough to provide accurate data.

Test scores from last week:

88 75 59 94 99 67
75 87 90 88 75 72
61 97 99 70 71 88
82 81 89 99 83 100
72 79 83 85 59 55

Organize the data into a
frequency table.

$$n = 30$$

Test Scores	
	freq.
50-59	111 3
60-69	11 2
70-79	4111 8
80-89	71111 10
90-99	1111 6
100-109	1 1

Student's favorite kind of
pizza

- ✓pepperoni
- ✓sausage
- ✓cheese
- ~~deluxe combination~~
- ~~vegetarian~~

✓Hawaiian,
✓meat lovers
✓Other

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