

Percentage of Sugar in Cereals			
Product	% Sugar	Product	% Sugar
Sugar Smacks (K)	56.0	Kellogg Raisin Bran (A)	29.0
Apple Jacks (K)	54.6	C. W. Post, Raisin, (A)	29.0
Froot Loops (K)	48.0	C. W. Post (A)	28.7
General Foods Raisin Bran (A)	48.0	Frosted Mini Wheats (K)	26.0
Sugar Corn Pops (K)	46.0	Country Crisp (K)	22.0
Super Sugar Crisp (K)	46.0	Life, cinnamon (K)	21.0
Crazy Cow, chocolate (K)	45.6	100% Bran (A)	21.0
Corny Snaps (K)	45.5	All Bran (A)	19.0
Frosted Rice Krinkles (K)	44.0	Fortified Oat Flakes (A)	18.5
Frankenberry (K)	43.7	Life (A)	16.0
Cookie Crisp, vanilla (K)	43.5	Team (A)	14.1
Cap'n Crunch, crunch berries (K)	43.3	40% Bran (A)	13.0
Cocoa Krispies (K)	43.0	Grape Nuts Flakes (A)	13.3
Cocoa Pebbles (K)	42.6	Buckwheat (A)	12.2
Fruity Pebbles (K)	42.5	Product 19 (A)	9.9
Lucky Charms (K)	42.2	Concentrate (A)	9.3
Cookie Crisp, chocolate (K)	41.0	Total (A)	8.3
Sugar Frosted Flakes of Corn (K)	41.0	Wheaties (A)	8.2
Quisp (K)	40.7	Rice Krispies (K)	7.8
Crazy Cow, strawberry (K)	40.1	Grape Nuts (A)	7.0
Cookie Crisp, oatmeal (K)	40.1	Special K (A)	5.4
Cap'n Crunch (K)	40.0	Corn Flakes (A)	5.3
Count Chocula (K)	39.5	Post Toasties (A)	5.0
Alpha Bits (K)	38.0	Kix (K)	4.8
Honey Comb (K)	37.2	Rice Chex (A)	4.4
Frosted Rice (K)	37.0	Corn Chex (A)	4.0
Trix (K)	35.9	Wheat Chex (A)	3.5
Cocoa Puffs (K)	33.3	Cheerios (K)	3.0
Cap'n Crunch, peanut butter (K)	32.2	Shredded Wheat (A)	0.6
Golden Grahams (A)	30.0	Puffed Wheat (A)	0.5
Cracklin' Bran (A)	29.0	Puffed Rice (A)	0.1

Source: United States Department of Agriculture, 1979.

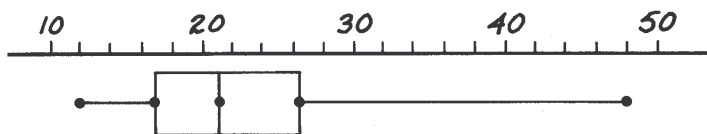
1. What do you think the table means when it says that "the percentage of sugar" in Sugar Smacks is 56.0?

We divided the list into "kid" and "adult" cereals as indicated by a (K) or an (A) following each name. (You may disagree and change some of these.)

2. Using another sheet of paper, draw a box and whisker plot for Kids cereals and a box and whisker plot for Adult Cereals. Determine all necessary information for the plot, and also check for outliers.
3. Analyze the two plots, and describe in complete sentences at least two observations about each plot. (For example: Which cereals are higher in sugar, kids' or adults'? Which data is more spread out, kids' or adults'?)

### Prices of Corn Poppers

The box plot below shows the dollar prices of twenty popcorn poppers as listed in *Consumer Reports Buying Guide*, 1981.



Source: *Consumer Reports Buying Guide*, 1981.

1. Approximately how much did the most expensive popcorn popper cost?
2. Approximately how much did the least expensive popcorn popper cost?
3. What was the median price for a popcorn popper?
4. What percentage of the poppers cost more than \$26.50 (the upper quartile)?
5. What percentage of the poppers cost more than \$17.00 (the lower quartile)?
6. If you had \$21.00, how many of the twenty poppers could you afford?
7. If you had \$26.50, how many of the twenty poppers could you afford?
8. Are any of the prices outliers? How can you tell?
9. Write a short description of the price of popcorn poppers.