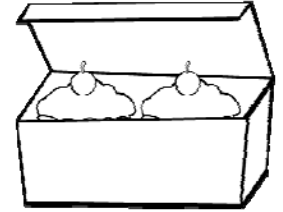


Name \_\_\_\_\_

Date \_\_\_\_\_



## A Piece of Cake!

Rose loves to bake and decided to open a bakery. The sales for her first month in business are listed below. To determine which items are bringing in the most sales she must determine mean, median, mode, and range of each product sold during the month. Help Rose by completing this chart. Then use the information to answer the questions below.

### Dollar Amounts Sold Per Product

Item	Week 1	Week 2	Week 3	Week 4	Mean	Median	Mode	Range
Cake-round	\$35	\$25	\$35	\$45				
Cake-sheet	\$30	\$50	\$50	\$80				
Muffins	\$10	\$15	\$22	\$22				
Apple Pie	\$30	\$30	\$42	\$60				
Peach Pie	\$10	\$12	\$28	\$12				
Cupcakes	\$12	\$36	\$36	\$61				
Cookies	\$14	\$14	\$32	\$36				
Totals								

- Which product had the widest range? \_\_\_\_\_
- Which product had the lowest average sales? \_\_\_\_\_
- In which week(s) were total sales closest to the mean? \_\_\_\_\_
- Was there a consistent increase in sales from one week to the next? Explain.  
\_\_\_\_\_  
\_\_\_\_\_
- Which two products had the closest median? \_\_\_\_\_ and \_\_\_\_\_
- Which product had the highest average sales? \_\_\_\_\_
- If the cost of preparing the sheet cake is 25% of customer price as compared to 10% of customer price for preparing the round cake, which product is bringing in more money based on the average sales amount here? \_\_\_\_\_