

Charting and Graphing Sales

Lunch Survey- Guided Practice

Step 1: Collect Data and Fill in Table

<u>Student Name</u>	<u>Lunch Choice</u>	<u>Lunch Category</u>
Tanya	Ham sandwich	Sandwich
David	Pizza	Hot meal
Joelle	Spaghetti	Hot meal
Tory	Caesar salad	Salad
Pedro	Chicken fingers	Hot meal
Kevin	Strawberry yogurt	Yogurt
Sarah	Chicken noodle soup	Soup
Jackie	Tuna rollup	Sandwich
Carl	Caesar salad	Salad
Mike	Pizza	Hot meal
Joanne	Spaghetti	Hot meal
Garcia	Raspberry yogurt	Yogurt
Emanuel	Banana	Fruit
Tyrone	Pizza	Hot meal
Matt	Chicken fingers	Hot meal
Marco	Garden salad	Salad
Laura	Peanut butter & jelly	Sandwich
Taylor	Melon	Fruit
Tasha	Apple	Fruit
Jamal	Ham sandwich	Sandwich
Eric	Roast beef sandwich	Sandwich
Seth	Pizza	Hot meal

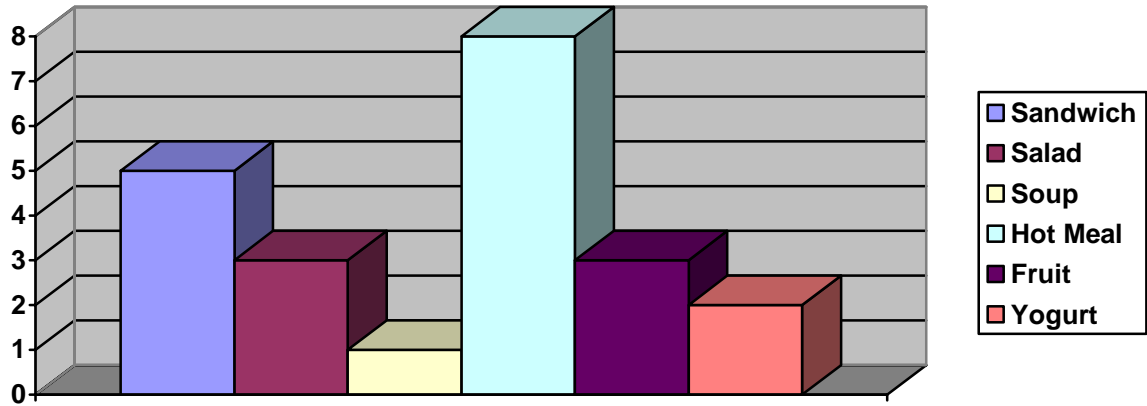
Step 2: Complete Lunch Category Table

Lunch Category	Number	% of Total Lunches
Sandwich	5	$5/22 = 23\%$
Salad	3	$3/22 = 14\%$
Soup	1	$1/22 = 5\%$
Hot Meal	8	$8/22 = 35\%$
Fruit	3	$3/22 = 14\%$
Yogurt	2	$2/22 = 9\%$
Total Lunches	22	100%

Charting and Graphing Sales

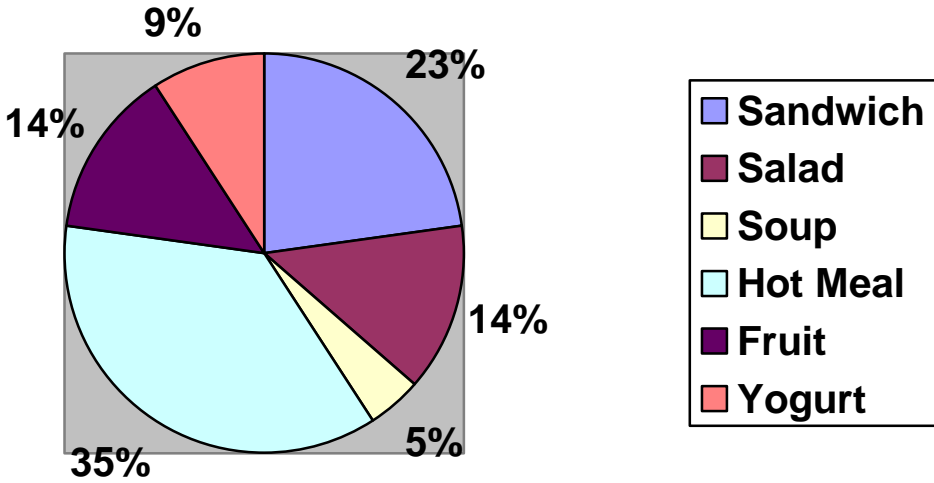
Lunch Survey- Guided Practice

Step 3: Create a Bar Graph
Use data in Step 2 to create a bar graph.



Lunch Choices

Step 4: Create a Pie Chart
Use percentages in Step 2.





Charting and Graphing Sales

RG Weekly Sales Worksheet

Step 1: Calculate Total Sales -> Qty x Retail Price

Day	Item #	Product Description	Product Category	Qty	Retail Price	Total Sale
Mon.	66967	Study Buddy Inferno	Pen	5	\$.50	
Mon.	67027	Twister Eraser	Eraser	20	\$.35	
Mon.	66685	6 Color Pen	Pen	10	\$.75	
Mon.	66921	Twister Pen	Pen	6	\$.35	
Mon.	67176	Retro Pencil	Pencil	10	\$.20	
Mon.	67039	G Mechanical Pencil	MP	6	\$.35	
Tues.	67027	Twister Eraser	Eraser	14	\$.35	
Tues.	67175	Pet Silhouettes Pencil	Pencil	25	\$.20	
Tues.	67124	Astral Wonders Pencil	Pencil	3	\$.20	
Tues.	66993	Dessert Eraser	Eraser	25	\$.15	
Tues.	67013	Traction Mechanical Pencil	MP	10	\$.35	
Tues.	66315	Cushion Click Mechanical Pencil	MP	5	\$.35	
Wed.	66921	Twister Pen	Pen	12	\$.35	
Wed.	66967	Study Buddy Inferno	Pen	5	\$.50	
Wed.	67039	G Mechanical Pencil	MP	6	\$.35	
Wed.	67176	Retro Pencil	Pencil	10	\$.20	
Wed.	67027	Twister Eraser	Eraser	3	\$.35	
Thurs.	66993	Dessert Eraser	Eraser	25	\$.15	
Thurs.	67176	Retro Pencil	Pencil	10	\$.20	
Thurs.	67175	Pet Silhouettes Pencil	Pencil	25	\$.20	
Thurs.	67013	Traction Mechanical Pencil	MP	10	\$.35	
Thurs.	66685	6 Color Pen	Pen	10	\$.75	
Thurs.	65229	Cushion Click Mechanical Pencil	MP	5	\$.35	
Fri.	67013	Traction Mechanical Pencil	MP	10	\$.35	
Fri.	66967	Study Buddy Inferno	Pen	5	\$.50	
Fri.	66921	Twister Pen	Pen	6	\$.35	
Fri.	65229	Cushion Click Mechanical Pencil	MP	5	\$.35	
Fri.	66993	Dessert Eraser	Eraser	25	\$.15	
		Total Weekly Sales				

Price is subject to change and based on current Raymond Geddes retail price.



Charting and Graphing Sales

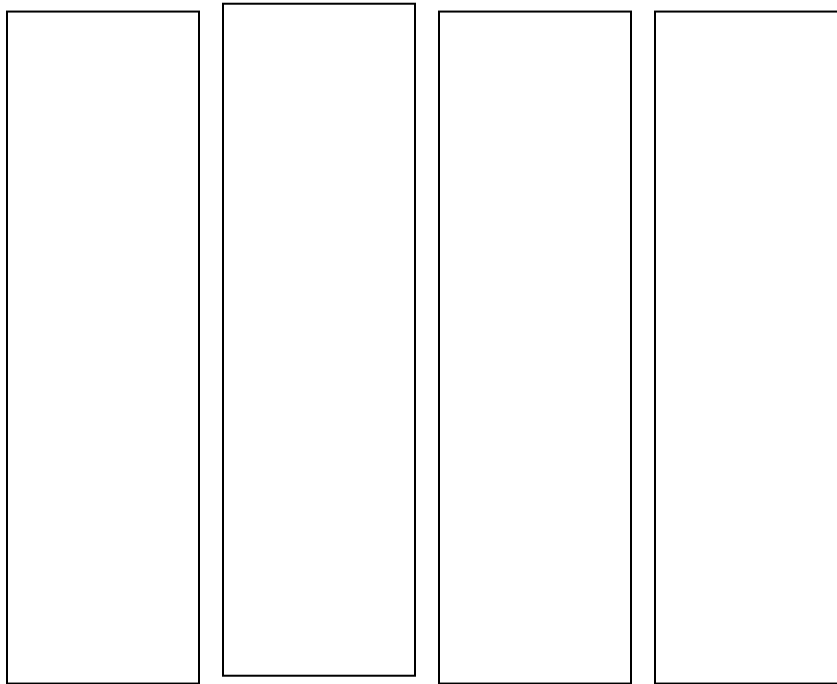
RG Weekly Sales Worksheet

Step 2: Complete Product Category Table

Product Category	Total Sales	% of Total Sales
Pen		
Eraser		
Pencil		
Mechanical Pencils		
Total Weekly Sales		

Step 3: Create a Bar Graph

Use total sales information in Step 2 to create a bar graph.



Pens

Erasers

Pencils

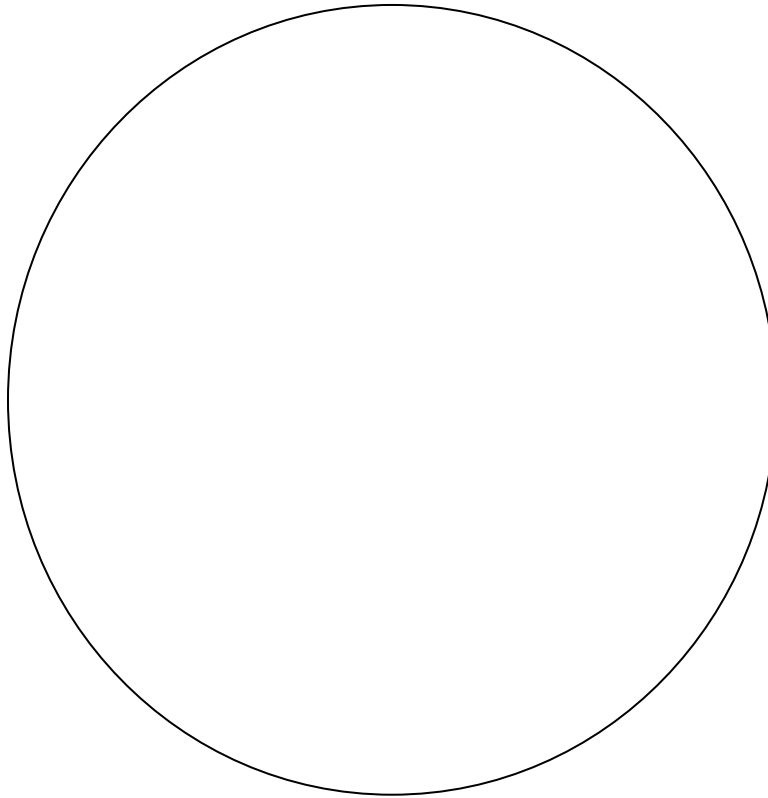
Mechanical Pencils



**Charting and
Graphing Sales
RG Weekly Sales
Worksheet**

Step 4: Create a pie chart.

Use the percentages in Step 2 to create a pie chart.





Charting and Graphing Sales

RG Weekly Sales Worksheet Key

Step 1: Calculate Total Sales -> Qty x Retail Price

Day	Item #	Product Description	Product Category	Qty	Retail Price	Total Sale
Mon.	66967	Study Buddy Inferno	Pen	5	\$.50	\$2.50
Mon.	67027	Twister Eraser	Eraser	20	\$.35	\$7.00
Mon.	66685	6 Color Pen	Pen	10	\$.75	\$7.50
Mon.	66921	Twister Pen	Pen	6	\$.35	\$2.10
Mon.	67176	Retro Pencil	Pencil	10	\$.20	\$2.00
Mon.	67039	G Mechanical Pencil	MP	6	\$.35	\$2.10
Tues.	67027	Twister Eraser	Eraser	14	\$.35	\$4.90
Tues.	67175	Pet Silhouettes Pencil	Pencil	25	\$.20	\$5.00
Tues.	67124	Astral Wonders Pencil	Pencil	3	\$.20	\$0.60
Tues.	66993	Dessert Eraser	Eraser	25	\$.15	\$1.25
Tues.	67013	Traction Mechanical Pencil	MP	10	\$.35	\$3.50
Tues.	66315	Cushion Click Mechanical Pencil	MP	5	\$.35	\$1.75
Wed.	66921	Twister Pen	Pen	12	\$.35	\$4.20
Wed.	66967	Study Buddy Inferno	Pen	5	\$.50	\$2.50
Wed.	67039	G Mechanical Pencil	MP	6	\$.35	\$2.10
Wed.	67176	Retro Pencil	Pencil	10	\$.20	\$2.00
Wed.	67027	Twister Eraser	Eraser	3	\$.35	\$1.05
Thurs.	66993	Dessert Eraser	Eraser	25	\$.15	\$3.75
Thurs.	67176	Retro Pencil	Pencil	10	\$.20	\$2.00
Thurs.	67175	Pet Silhouettes Pencil	Pencil	25	\$.20	\$5.00
Thurs.	67013	Traction Mechanical Pencil	MP	10	\$.35	\$3.50
Thurs.	66685	6 Color Pen	Pen	10	\$.75	\$7.50
Thurs.	66315	Cushion Click Mechanical Pencil	MP	5	\$.35	\$1.75
Fri.	67013	Traction Mechanical Pencil	MP	10	\$.35	\$3.50
Fri.	66967	Study Buddy Inferno	Pen	5	\$.50	\$2.50
Fri.	66921	Twister Pen	Pen	6	\$.35	\$2.10
Fri.	66315	Cushion Click Mechanical Pencil	MP	5	\$.35	\$1.75
Fri.	66993	Dessert Eraser	Eraser	25	\$.15	\$3.75
		Total Weekly Sales				\$89.15

Price is subject to change and based on current Raymond Geddes retail price.

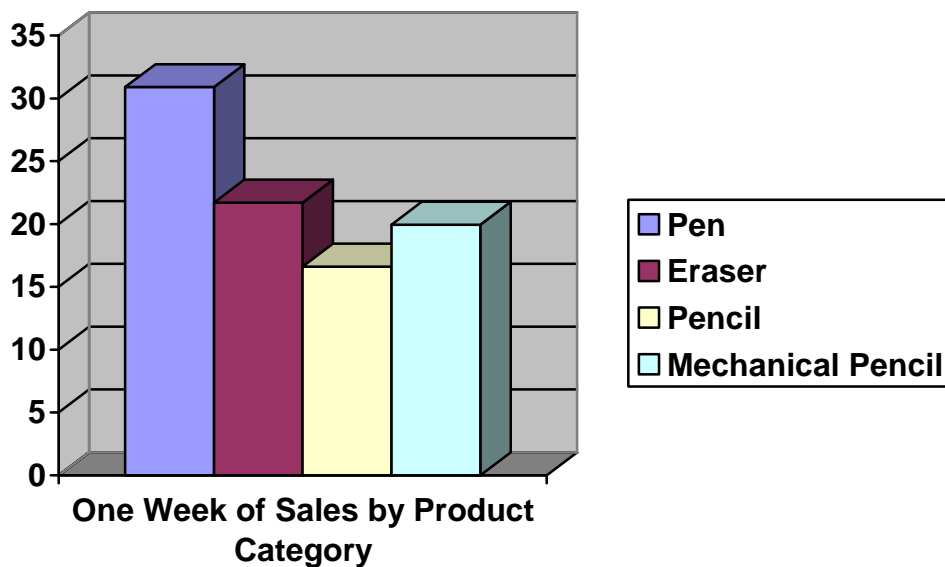
Charting and Graphing Sales

RG Weekly Sales Worksheet Key

Step 2: Complete Product Category Table

Product Category	Total Sales	% of Total Sales
Pen	\$ 30.90	$\$30.90/\$89.15 = 35\%$
Eraser	\$ 21.70	$\$21.70/\$89.15 = 24\%$
Pencil	\$ 16.60	$\$16.61/\$89.15 = 19\%$
Mechanical Pencils	\$ 19.95	$\$19.95/\$89.15 = 22\%$
Total	\$89.15	100%

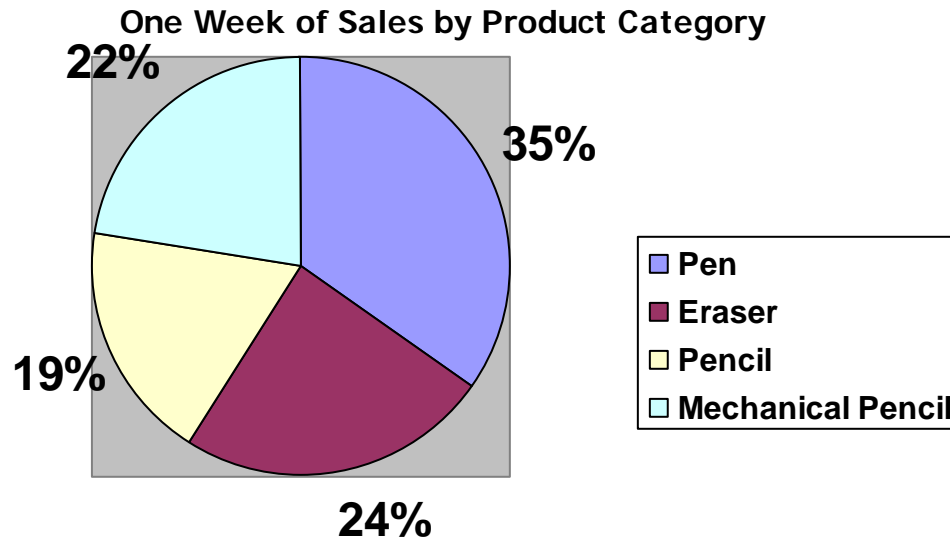
Step 3: Create a Bar Graph



Charting and Graphing Sales

RG Weekly Sales Worksheet Key

Step 4: Create a Pie Chart



Charting and Graphing Sales Assessment of Student Progress

Use the following summary to assess a student's abilities and performance throughout the lesson. Share this assessment with students at the start of the lesson so that students will understand how they will be assessed prior to beginning the Exploring and Learning section. Use this tool as a basis for providing feedback to the student. Use the scale below to score each of the following items:

Making Connections:

_____ Student participates in discussion by offering answers to one or more of the questions asked by the teacher.

Exploring and Learning

_____ Student participates in discussion by offering answers to one or more of the questions asked by the teacher, as well as teacher-led brainstorming sessions.

_____ Student works with partner using a calculator to compute total sales for products sold each day and a total sales figure for the week in Step 1 of worksheet.

_____ The student uses calculator to tally sales total by product category (pen, eraser, pencil, and paper), as well as percentages in Step 2 of the worksheet.

_____ The student creates a bar graph displaying sales by product category in Step 3 of the worksheet. The bar graph accurately reflects total sales in dollars by product category.

_____ The student creates a pie chart displaying product category sales percentages in Step 4 of the worksheet. The pie chart accurately reflects total sales in percentages by product category.

_____ The worksheet contains accurate data in Steps 1-4 of the worksheet.

_____ The student correctly identifies the product category that had the most sales in RG & Hannie's store. The student correctly identifies the product category with the fewest sales (in dollars).

Charting and Graphing Sales Assessment of Student Progress

SCALE

4 – Excellent

Student completes the activity, task or assignment with no errors and demonstrates mastery of concepts and/or lesson objectives.

3 – Good

Student completes the activity, task, or assignment with few major errors and demonstrates an understanding of the concepts and/or lesson objectives.

2 – Fair

Student completes the activity, task, or assignment with some major errors and demonstrates difficulty with the concepts and lesson objectives.

1 – Poor

Student does not complete the activity, task, or assignment and demonstrates no understanding of the concepts and/or lesson objectives.