

# Mathematics Grade 7 Unit 09 – Rubric 1

Grade/Subject/(Course)  
Grade 7 / Mathematics

Course Version

Performance Assessment(s)

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## Mathematics Grade 7 Unit 09 PA 01

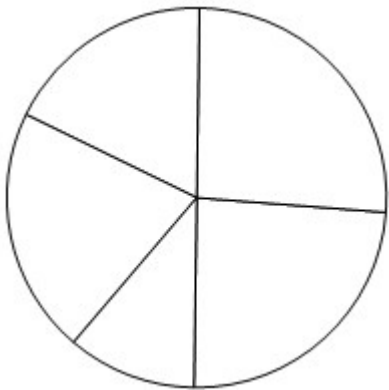
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Analyze the problem situation(s) described below. Organize and record your work for each of the following tasks. Using precise mathematical language, justify and explain each solution process.

Based on a monthly income, George has represented his budget in the table shown below.

Category	Percent
Savings	24%
Rent	26%
Groceries	18%
Household bills	21%
Entertainment/Clothing	11%

1. George’s monthly income is \$3,890.
- a. Use the data represented in the table to label the circle graph with the appropriate category label and percent and the dollar amount in each category of the budget.



2. George’s rent was increased by \$97.25. Since George’s monthly income will not change, he decided to adjust his budgeted amount for groceries to accommodate his new rent payment.
- a. Determine the percent decrease for the budgeted amount for groceries if this amount is adjusted for the increase in rent.
- b. Determine the new percentage each category comprises of the budget after the rent increase.
- c. Represent the adjusted budget in a bar graph.

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Standard(s): [7.1A](#) , [7.1B](#) , [7.1C](#) , [7.1D](#) , [7.1E](#) , [7.1F](#) , [7.1G](#) , [7.6G](#) , [7.13B](#)  
**ELPS** [ELPS.c.1A](#) , [ELPS.c.1B](#) , [ELPS.c.1E](#) , [ELPS.c.2D](#) , [ELPS.c.4D](#) , [ELPS.c.4G](#) , [ELPS.c.4K](#)  
, [ELPS.c.5C](#) , [ELPS.c.5F](#) , [ELPS.c.5G](#)

