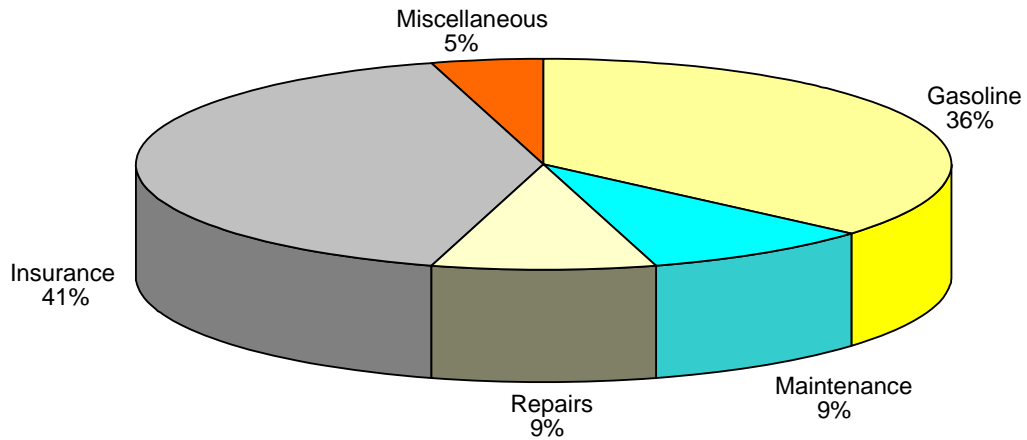


PROBLEM-OF-THE-DAY: ALGEBRA 1**WEEK:** November 26 to November 30**DAY:** Thursday

RISD Objective: Given a circle (pie) graph, students will use it to answer questions, applying or finding the percents as necessary.

PROBLEM #66**Annual Automobile Expenses**

The annual budget for automobile expenses is \$2200

- 1. How much was spent on insurance for the year?**
- 2. How much was spent on maintenance and repairs?**
- 3. What sort of expenses would be covered under miscellaneous?**

MODEL SOLUTION #66

- 1. To find out how much was spent on insurance for the year change 41% to decimal and then multiply decimal by total expenses.**

$$(0.41)(2,200) = 902$$

So, \$902 was spent on insurance for the year.

- 2. To find out how much was spent on maintenance and repairs change the percentages to decimals add them together and then multiply it by total expenses.**

$$(0.09 + 0.09) = 0.18$$

$$(0.18)(2,200) = 396$$

\$396 was spent on maintenance and repairs.

- 3. Answers may vary: new tires, tinted windows, etc.**