1. The price of regular gas at Fuel Up Gas Station is $3.39 per gallon. Based on the amount of gas each person bought and the total amount he or she paid, could the following people have gone to Fuel Up and purchased regular gas? Select Yes or No.

A. Kasey paid $50.85 for 15 gallons. ○ Yes ○ No

B. Kelvin paid $41.40 for 12 gallons. ○ Yes ○ No

C. Kate paid $46.90 for 14 gallons. ○ Yes ○ No

2. Choose True or False.

A. \(2 \frac{1}{2} \times 3 \frac{2}{3} = 6 \frac{1}{7}\) ○ True ○ False

B. \(1 \frac{1}{5} \div 1 \frac{1}{4} = 4 \frac{4}{5}\) ○ True ○ False

C. \(1 \frac{1}{3} \times \frac{5}{8} = \frac{5}{6}\) ○ True ○ False

D. \(3 \frac{4}{5} \div 1 \frac{1}{2} = 5 \frac{7}{10}\) ○ True ○ False

3. Luis made some trail mix. He mixed \(4 \frac{2}{3}\) cups of popcorn, \(1 \frac{1}{4}\) cups of peanuts, \(1 \frac{1}{3}\) cups of raisins, and \(\frac{3}{4}\) cup of sunflower seeds. He gave 5 of his friends an equal amount of trail mix each. How much did each friend get? Explain the steps you take to solve the problem.

4. Landon drove 103.5 miles on Tuesday, 320.75 miles on Wednesday, and 186.30 miles on Thursday for work. His company pays $0.07 for each mile he drives. He expects to be paid more than $40.00. Is he correct? Explain.
Performance Tasks

5. Chef Alonso is creating a recipe with the following ingredients: 1 pound chicken, $3 \frac{1}{3}$ cups tomato sauce, $1 \frac{1}{3}$ teaspoons oregano, and $\frac{2}{3}$ teaspoon of his special hot sauce. The chef only has three measuring spoons: 1 teaspoon, $\frac{1}{2}$ teaspoon, and $\frac{1}{4}$ teaspoon. Can he measure the amounts of hot sauce and oregano exactly? Explain your answer.

6. Caterers of a party make a punch with 12.75 liters of grapefruit juice, 8.32 liters of sparkling water, and 14.25 liters of orange juice. The cups for serving the punch come in two sizes, 0.5 liter and 0.8 liter. There are 50 of the 0.5-liter cups and 10 of the 0.8-liter cups. If each cup is used only once, do they have enough cups to serve all of the punch?

7. The city zoo had an equal number of visitors on Saturday and Sunday. In all, 32,096 people visited the zoo that weekend.

   a. How many visited each day?

   b. On Saturday, $\frac{1}{8}$ of the people were senior citizens, $\frac{1}{8}$ were infants, $\frac{1}{4}$ were children, and $\frac{1}{2}$ were adults. How many of each group visited the zoo on Saturday? Show your work.

   c. On Sunday, $\frac{1}{16}$ of the people were senior citizens, $\frac{3}{16}$ were infants, $\frac{3}{8}$ were children, and $\frac{3}{8}$ were adults. How many of each group visited the zoo on Sunday? Show your work.

   d. The chart shows how much each type of ticket costs. How much money did the zoo make on the weekend? Show your work.

<table>
<thead>
<tr>
<th>Type of Ticket</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infants</td>
<td>Free</td>
</tr>
<tr>
<td>Children over 2</td>
<td>$4.50</td>
</tr>
<tr>
<td>Adults</td>
<td>$7.25</td>
</tr>
<tr>
<td>Senior Citizens</td>
<td>$5.75</td>
</tr>
</tbody>
</table>