Problem Solving with Fractions

(a) Becky eats $\frac{1}{3}$ of an apple pie and Joe eats $\frac{2}{5}$ of the same pie. What fraction of the apple pie has been eaten?

(b) Boris spends $\frac{2}{7}$ of his salary on rent and $\frac{1}{6}$ on bills. What fraction of his salary has he spent on rent and bills?

(c) A fuel tank is $\frac{3}{4}$ full. Bill drives to York and uses $\frac{1}{10}$ of a tank of fuel. What fraction of fuel remains in the tank?

(a) In a class, $\frac{3}{5}$ of students are girls. Of these girls, $\frac{2}{3}$ wear glasses. What fraction of the class are girls who wear glasses?

(b) Jorge has $\frac{3}{4}$ kg of pastry. Each pie takes $\frac{1}{12}$ kg of pastry. How many pies can Jorge make with the pastry he has?

(a) Katy eats $\frac{2}{7}$ of a pizza and then Yusuf eats $\frac{1}{4}$ of the same pizza. What fraction of pizza is still uneaten?

(b) Henrik spends $\frac{2}{9}$ of his allowance on snacks and $\frac{1}{5}$ of his allowance on books. What fraction of his allowance does he have left to spend?

(a) In a theatre, 70% of people are adults. The rest are children. Of these children $\frac{1}{3}$ are girls. What fraction of all the people at the theatre are boys?

(b) At a gym all members choose either treadmill, weights or bike. 35% choose bike and $\frac{3}{7}$ choose weights. What fraction of gym members have chosen treadmill?