Fraction word problems

Holly went to the park one sunny spring morning. There, she observed different people, plants, and animals.

1.   The first animals that she noticed were the noisy ducks at the pond. If a quarter of the ducks were not swimming, what is the fraction of the ducks swimming in the pond?

2.   As Holly looked around, she saw a group of people eating pizza. They had a pizza divided into 8 slices. The men ate 2 slices. The girls ate another 3 slices. What fraction of the pizza did the group eat?

3.   She also saw some plants and trees. If $\frac{2}{12}$ of the park is covered by tall trees, and $\frac{5}{12}$ is covered by smaller trees, what fraction of the park is covered by trees?

4. Holly also spotted some kids playing in the sand box. They divided it into 7 parts. If one kid occupied two out the seven parts, what fraction of the sandbox is left for the other kids to occupy?

5. Before Holly left, she saw some raccoons running with some cake they stole from a picnic basket. If they took $3\frac{5}{6}$ servings of cake but dropped $\frac{3}{6}$ of a serving while running, how much is left for the raccoons to eat?

Answers

1. $1 - \frac{1}{4} = \frac{4}{4} - \frac{1}{4} = \frac{3}{4}$

    Around $\frac{3}{4}$ of the ducks were swimming in the pond.

2. $\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$

    The group ate $\frac{5}{8}$ of the pizza.

3. $\frac{2}{12} + \frac{5}{12} = \frac{7}{12}$

    Around $\frac{7}{12}$ of the park is covered by trees.

4. $1 - \frac{2}{7} = \frac{7}{7} - \frac{2}{7} = \frac{5}{7}$

    The other kids were left with $\frac{5}{7}$ of the sandbox to occupy.

5. $3\frac{5}{6} - \frac{3}{6} = 3\frac{2}{6}$ or simply $3\frac{1}{3}$

    The raccoons were left with $3\frac{2}{6}$ or $3\frac{1}{3}$ servings of cake to eat.