

Fraction word problems

Grade 3 Math Word Problems Worksheet

Read and answer each question.

One clear summer day, Samuel and his friends went to the zoo to see some rare animals.

1. The boys saw a group of monkeys playing on the nearby tree. If there are a total of 24 monkeys playing and 14 of them are male, what fraction of the group of monkeys are male?
2. What fraction of the group of monkeys are female?
3. After seeing the monkeys, they went to see some birds. There are two aviaries. The first one contains 24 birds and 18 of them have brown feathers. What fraction of the birds in the first aviary is brown?
4. If the second aviary has 32 birds and 20 of them have brown feathers, which aviary has a greater fraction of brown-feathered birds?
5. From the aviary, they went to see some reptiles. First, they went to see some snakes. There are 70 snakes in captivity, 49 of which are poisonous. What is the fraction of poisonous snakes in captivity?
6. After the snakes, they went to see some lizards. There are a total of 60 lizards and 42 of them are poisonous. Which is greater, the fraction of poisonous lizards or the fraction of poisonous snakes?

Answers:

1. 14 out of 24 is equal to $\frac{14}{24}$ or simply $\frac{7}{12}$
Around $\frac{7}{12}$ of the group of monkeys are male.
2. All of the monkeys that are not male are female. So 10 of the monkeys are female.
10 out of 24 is $\frac{10}{24}$ or simply $\frac{5}{12}$
Around $\frac{5}{12}$ of the group of monkeys are female.
3. 10 out of 24 is 10
18 out of 24 is equal to $\frac{18}{24}$ or $\frac{6}{8}$ or simply $\frac{3}{4}$
The fraction of brown birds in the first aviary is $\frac{3}{4}$.
4. Second aviary: 20 out of 32 is equal to $\frac{20}{32}$ or simply $\frac{5}{8}$;
 $\frac{6}{8}$ is greater than $\frac{5}{8}$
The first aviary has a greater fraction of brown-feathered birds.
5. 49 out of 70 is equal to $\frac{49}{70}$ or simply $\frac{7}{10}$
The fraction of poisonous snakes in captivity is $\frac{7}{10}$.
6. 42 out of 60 is equal to $\frac{42}{60}$ or simply $\frac{7}{10}$; from no. 4, $\frac{7}{10} = \frac{7}{10}$
The fraction of poisonous lizards and fraction of poisonous snakes are equal, none is greater.