



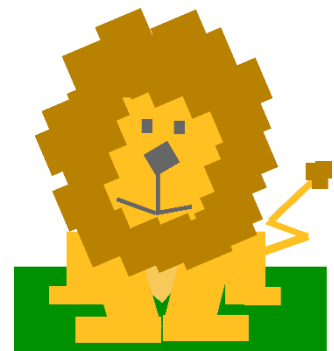
Writing expressions with variables

Grade 5 Word Problems Worksheet

1. In a zoo, there were 36 exhibits, but k exhibits were closed.
Write the expression for the number of exhibits that were open.

2. The zoo is open for 9 hours on weekdays. On weekends, the zoo
is open for r more hours. Write the expression for the number of
hours the zoo opens on weekends.

3. In the lion exhibit in the zoo, there are n lions. $\frac{3}{5}$ of the lions are
female. Write the expression for the number of female lions.





4. The zoo needs to hire b staff members for each exhibit. Write the expression for the number of staff members they need to hire for 20 exhibits.
5. There were e visitors at the zoo over a 3-day long weekend. Write the expression for the number of visitors that visited each day.
6. Oliver went to the zoo with 5 other friends. They have a coupon for \$10 off of admission for groups of 5 or more. The admission for each person is \$ d . Write the expression for the amount each of them needs to pay after the discount.



Answers

1. $36 - k$

2. $9 + r$

3. $\frac{3n}{5}$

4. $20b$

5. $\frac{e}{3}$

6. $\frac{6d-10}{6}$