

1. \_\_\_\_\_ has no reciprocal.
2. There are \_\_\_\_\_ numbers of a rational numbers between any two rational numbers.
3. the product of number and its multiplicative inverse is \_\_\_\_\_ .
4. \_\_\_\_\_ is multiplicative identity.
5. \_\_\_\_\_ is the additive identity .
6. additive inverse of -3 is \_\_\_\_\_ .
7. multiplicative inverse of -2 is \_\_\_\_\_ .
8. the numbers \_\_\_\_\_ and \_\_\_\_\_ are their own reciprocals.
9. the product of two rational numbers is always a \_\_\_\_\_ .
10. the reciprocals of a positive rational numbers is \_\_\_\_\_ .
11. the sum of additive inverse and multiplicative inverse of 3 is \_\_\_\_\_ .
12. The value of  $a$  for which the two rational numbers  $\frac{a}{5}, \frac{31}{5}$  are equivalent is \_\_\_\_\_ .
13. if  $a = -3$ , then value of  $-\left(\frac{a+1}{a}\right)$  is \_\_\_\_\_ .
14. the multiplication of additive inverse of -1 and multiplicative inverse of 1 is \_\_\_\_\_ .