

Use the choices below to fill in each blank.

Positive                      0                      negative                      undefined

1. If  $n$  is a real number, then  $n \cdot 0 =$  \_\_\_\_\_ and  $0 \cdot n =$  \_\_\_\_\_.
2. If  $n$  is a real number, but not 0, then  $\frac{0}{n} =$  \_\_\_\_\_ and  $\frac{n}{0} =$  \_\_\_\_\_.
3. The product of two negative numbers is a \_\_\_\_\_ number.
4. The quotient of two negative numbers is a \_\_\_\_\_ number.
5. The quotient of a positive number and a negative number is a \_\_\_\_\_ number.
6. The product of a positive number and a negative number is a \_\_\_\_\_ number.
7. The reciprocal of a positive number is a \_\_\_\_\_ number.
8. The opposite of a positive number is a \_\_\_\_\_ number.

Evaluate.

9.  $\frac{2}{3} \left( -\frac{4}{9} \right)$

10.  $-6(4)$

11.  $-7 \cdot 0$

12.  $(-1)(2)(-3)(-5)$

13.  $-\frac{25}{36} \cdot \frac{6}{15}$

14.  $(-2)(5) - (-11)(3)$

15.  $(-2)^4$

16.  $-5^2$

17.  $(-1)^5$

Find each reciprocal.

18.  $\frac{1}{7}$

19.  $-5$

Divide.

20.  $\frac{-12}{-4}$

21.  $\frac{30}{-2}$

22.  $-\frac{60}{5}$

23.  $-\frac{1}{10} \div -\frac{8}{11}$

24.  $-\frac{5}{9} \div \frac{3}{4}$

Simplify.

25.  $\frac{-4-8(-2)}{-9-2(-3)}$

26.  $\frac{-3-5^2}{2(-7)}$