



## Application\_CW\_G8\_Multiplication and Division of Rational Numbers

1. The product of two rational numbers is 15. If one of the numbers is  $-10$ , find the other.
2. The product of two rational numbers is  $-9$ . If one of the numbers is  $-12$ , find the other.
3. The product of two rational numbers is  $-\frac{16}{9}$ . If one of the numbers is  $-\frac{4}{3}$ , find the other.
4. By what rational number should we multiply  $-\frac{15}{56}$  to get  $-\frac{5}{7}$ ?

5. By what rational number should  $-8/39$  be multiplied to obtain  $1/26$ ?
  
  
  
  
  
  
6. By what number should  $-33/8$  be divided to get  $-11/2$ ?
  
  
  
  
  
  
7. The product of two rational numbers is  $-8/9$ . If one of the numbers is  $-4/15$ , find the other.
  
  
  
  
  
  
8. By what number should we multiply  $-1/6$ , so that the product may be  $-23/9$ ?
  
  
  
  
  
  
9. By what number should  $-33/16$  be divided to get  $-11/4$ ?