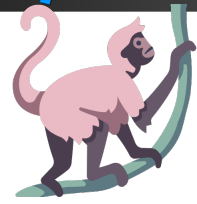


Name: \_\_\_\_\_



## Factoring Monomials

**Directions:** Write the prime factorization of each monomial without using exponents.

1.  $28n$

9.  $14x^2$

2.  $15ab$

10.  $32xy$

3.  $30g^2$

11.  $19a^3$

4.  $72f$

12.  $52p$

5.  $48w^2$

13.  $20k$

6.  $90h$

14.  $56s$

7.  $51r^2$

15.  $13h^2$

8.  $45j$

16.  $64x$

## ANSWER KEY

1.  $28n$   
 $2 \times 2 \times 7 \times n$

9.  $14x^2$   
 $2 \times 7 \times n \times n$

2.  $15ab$   
 $3 \times 5 \times a \times b$

10.  $32xy$   
 $2 \times 2 \times 2 \times 2 \times 2 \times x \times y$

3.  $30g^2$   
 $2 \times 3 \times 5 \times g \times g$

11.  $19a^3$   
 $19 \times a \times a \times a$

4.  $72f$   
 $2 \times 2 \times 2 \times 3 \times 3 \times f$

12.  $52p$   
 $2 \times 2 \times 13 \times p$

5.  $48w^2$   
 $2 \times 2 \times 2 \times 2 \times 3 \times w \times w$

13.  $20k$   
 $2 \times 2 \times 5 \times k$

6.  $90h$   
 $2 \times 3 \times 3 \times 5 \times h$

14.  $56s$   
 $2 \times 2 \times 2 \times 7 \times s$

7.  $51r^2$   
 $3 \times 17 \times r \times r$

15.  $13h^2$   
 $13 \times h \times h$

8.  $45j$   
 $3 \times 3 \times 5 \times j$

16.  $64x$   
 $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times x$