

Name \_\_\_\_\_

Date \_\_\_\_\_

## Writing and Expanding Multiplication Expressions

1. Rewrite the expression in standard form (use the fewest number of symbols and characters possible).

a.  $5g \cdot 7h$

b.  $3 \cdot 4 \cdot 5 \cdot m \cdot n$

2. Name the parts of the expression. Then, write in expanded form.

a.  $14b$

b.  $30jk$

1. Rewrite the expression in standard form (use the fewest number of symbols and characters possible).

a.  $5 \cdot y$

b.  $7 \cdot d \cdot e$

c.  $5 \cdot 2 \cdot 2 \cdot y \cdot z$

d.  $3 \cdot 3 \cdot 2 \cdot 5 \cdot d$

2. Write the following expressions in expanded form.

a.  $3g$

b.  $11mp$

c.  $20yz$

d.  $15abc$

3. Find the product.

a.  $5d \cdot 7g$

b.  $12ab \cdot 3cd$

1. Rewrite the expression in standard form (use the fewest number of symbols and characters possible).

a.  $5g \cdot 7h$

$35gh$

b.  $3 \cdot 4 \cdot 5 \cdot m \cdot n$

$60mn$

2. Name the parts of the expression. Then, write it in expanded form.

a.  $14b$

$14 \cdot b$  or  $2 \cdot 7 \cdot b$

$14$  is the coefficient,  $b$  is the variable, and  $14b$  is a term and the product of  $14 \times b$ .

b.  $30jk$

$30 \cdot j \cdot k$  or  $2 \cdot 3 \cdot 5 \cdot j \cdot k$

$30$  is the coefficient,  $j$  and  $k$  are the variables, and  $30jk$  is a term and the product of  $30 \cdot j \cdot k$ .

1. Rewrite the expression in standard form (use the fewest number of symbols and characters possible).

a.  $5 \cdot y$

$5y$

b.  $7 \cdot d \cdot e$

$7de$

c.  $5 \cdot 2 \cdot 2 \cdot y \cdot z$

$20yz$

d.  $3 \cdot 3 \cdot 2 \cdot 5 \cdot d$

$90d$

2. Write the following expressions in expanded form.

a.  $3g$

$3 \cdot g$

b.  $11mp$

$11 \cdot m \cdot p$

c.  $20yz$   
 $20 \cdot y \cdot z$  or  $2 \cdot 2 \cdot 5 \cdot y \cdot z$

d.  $15abc$   
 $15 \cdot a \cdot b \cdot c$  or  $3 \cdot 5 \cdot a \cdot b \cdot c$

3. Find the product.

a.  $5d \cdot 7g$   
 $35dg$

b.  $12ab \cdot 3cd$   
 $36abcd$