

Lesson 10: Writing and Expanding Multiplication Expressions

Classwork

Example 1

Write each expression using the fewest number of symbols and characters. Use math terms to describe the expressions and parts of the expression.

a. $6 \times b$

b. $4 \cdot 3 \cdot h$

c. $2 \times 2 \times 2 \times a \times b$

d. $5 \times m \times 3 \times p$

e. $1 \times g \times w$

Example 2

To expand multiplication expressions we will rewrite the expressions by including the “ \cdot ” back into the expressions.

a. $5g$

b. $7abc$

c. $12g$

d. $3h \cdot 8$

e. $7g \cdot 9h$

Example 3a. Find the product of $4f \cdot 7g$.b. Multiply $3de \cdot 9yz$.c. Double the product of $6y$ and $3bc$.