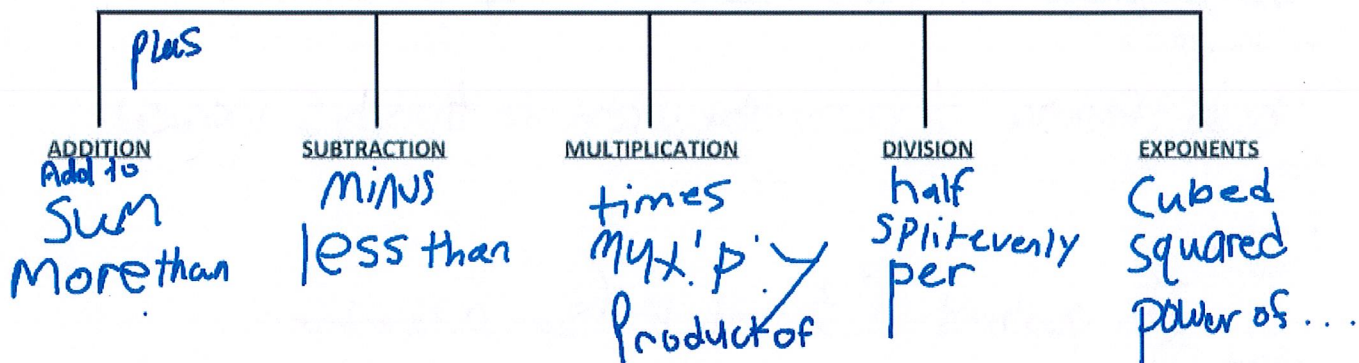


Lesson 15: Read Expressions in Which Letters Stand for Numbers

Classwork

Opening Exercise

Complete the graphic organizer with mathematical words that indicate each operation. Some words may indicate more than one operation.



Example 1

Write an expression using words.

a. $a - b$

The difference of the numbers a and b
 The number b less than a .

b. xy

The product of the numbers x and y .

c. $4f + p$

The product 4 and f plus p.
4 times the number plus p.

d. $d - b^3$

The number d decreased by another number raised to the third power.

e. $5(u - 10) + h$

The difference of a number u and ten times 5 increased by h.

f. $\frac{3}{a+f}$

The quotient of 3 and the sum a number a and f.

P
W
S
D

P
S
M

Exercises

Circle all the vocabulary words that could be used to describe the given expression.

1. $6h - 10$

ADDITION

SUBTRACTION

MULTIPLICATION

DIVISION

2. $\frac{5d}{6}$

SUM

DIFFERENCE

PRODUCT

QUOTIENT

3. $5(2 + w) - 8$

ADD

SUBTRACT

MULTIPLY

DIVIDE

4. abc

MORE THAN

LESS THAN

TIMES

EACH

Write an expression using vocabulary to represent each given expression.

P
E
MD
AS

5. $8 - 2g - 8$

The product of 2 and g less than 8. 8 decreased by the product of 2 and g

6. $15(a + c)$

The sum of a and c multiplied by 15.

7. $\frac{m+n}{5}$

8. $b^3 - 18$

9. $f - \frac{d}{2}$

10. $\frac{u}{x}$

HOMWORK

Name _____

1. List five different vocabulary words that could be used to describe each given expression.

a. $a - d + c$

b. $20 - 3c$

c. $\frac{b}{d+2}$

2. Write an expression using math vocabulary for each expression below.

a. $5b - 18$

b. $\frac{n}{2}$

c. $a + (d - 6)$

d. $10 + 2b$
