

NOTES

6.4 Write an Expression (6.EE.2, 6.EE.2a, 6.EE.2c, and 6.EE.6)

Writing Expressions Steps:

- 1.) Find the important key words.
- 2.) Define the variable.
- 3.) Write the expression.

Guided Practice:

Define a variable and write each phrase as an algebraic expression.

- 1.) four times more money than Elliot

$$4 \cdot e \text{ or } 4e$$

$e =$ Elliot's money

- 2.) Half as many pages as George

$$\frac{1}{2}P \text{ or } P \div 2$$

$P =$ George's pages

- 3.) The width of a box that is 4 inches less than the length of the box.

$$L - 4$$

$L =$ length of box

- 4.) The cost of 5 ~~CDs~~ and a \$12 ~~DVD~~

$$5C + 12$$

$C =$ cost of CD

- 5.) Shoko bought a box of popcorn for \$3.50 and three medium drinks. Define a variable and write an expression to represent the total amount they spent. Then, find the total amount if one drink cost \$1.50.

$$3.50 + 3m$$
$$3.50 + 3 \cdot 1.50$$

$m =$ cost of one medium drink

$$3.50 + 4.50 = \boxed{\$8.00}$$

Building on the Essential Question - How can writing phrases as algebraic expressions help you solve problems?

Key words (times, half) can help you determine which operation to perform.

Rate Yourself - Are you ready to move on? Shade the section that applies.

