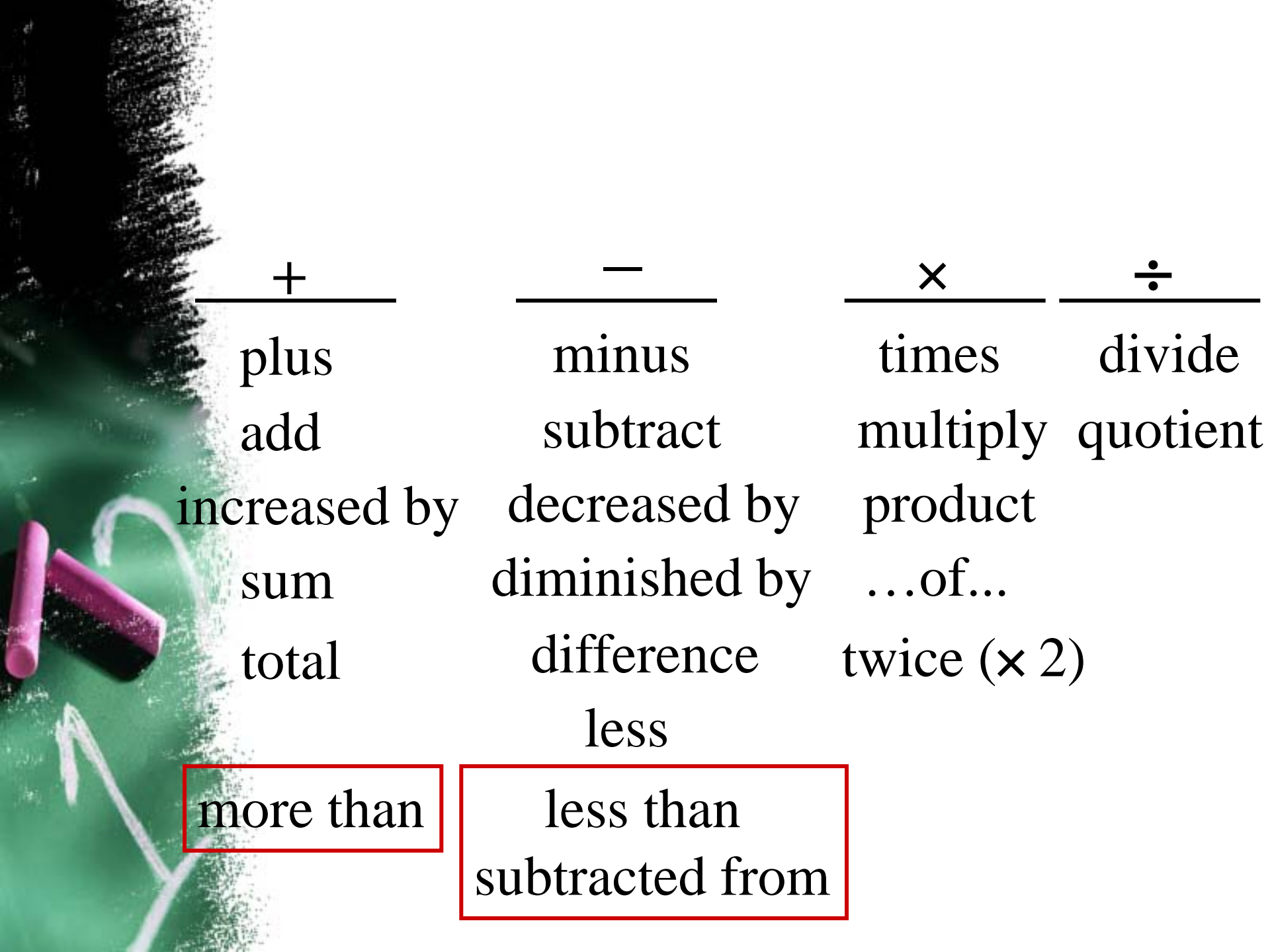


6.4 Writing Expressions

Objective: To write algebraic expressions





+

plus

add

increased by

sum

total

more than

-

minus

subtract

decreased by

diminished by

difference

less

less than
subtracted from

×

times

multiply

product

...of...

twice ($\times 2$)

÷

divide

quotient

Translating Addition Words

$$\text{Add 6 and 9} = 6 + 9$$

$$\text{The sum of 6 and 9} = 6 + 9$$

$$6 \text{ increased by 9} = 6 + 9$$

$$\text{The total of 6 and 9} = 6 + 9$$

$$6 \text{ more than 9} = 9 + 6$$

$$6 \text{ added to 9} = 9 + 6$$

Translating Subtraction Phrases

$$6 \text{ subtract } 4 = 6 - 4$$

$$\text{The difference of } 6 \text{ and } 4 = 6 - 4$$

$$6 \text{ decreased by } 4 = 6 - 4$$

$$6 \text{ diminished by } 4 = 6 - 4$$

$$6 \text{ less } 4 = 6 - 4$$



$$6 \text{ less than } 4 = 4 - 6$$

$$6 \text{ subtracted from } 4 = 4 - 6$$



Translate the following phrases

1) 5 plus x

$$5 + x$$

2) Four times y less 2

$$4y - 2$$

3) Six multiplied by y minus 3

$$6y - 3$$

4) The product of 7 and m decreased by 1

$$7m - 1$$

5) Six more than the quotient of x and 2

$$\frac{x}{2} + 6$$

6) Twice the difference of x and 2

$$2(x - 2)$$

7) Twice the sum of x and 2

$$2(x + 2)$$



8) 6 less than one-fourth of the points that the Indians scored

$$\left(\frac{1}{4}\right)p - 6$$

9) \$3 more than four times the cost of a pretzel

$$4p + 3$$

Find the mistake below

10) Elisa is writing an algebraic expression for the phrase 8 more than a number. She wrote $8 + n$. Find her mistake and correct it.

Elisa should have wrote $n + 8$. She put the two terms in the wrong order.