

# Chapter 1 Section 8

## Writing

## Expressions



Examples:

$$n + 4$$

or  $4 + n$

## ADDITION

-> a number plus 4

-> 4 more than a number

-> a number increased by 4

-> the sum of a number and 4



Example:

**SUBTRACTION**

$$n - 3$$

-&gt; a number decreased by 3

-&gt; a number minus 3

-&gt; subtract 3 from a number

-&gt; 3 less than a number



Example:

**SUBTRACTION**

$$3 - n$$

-&gt; 3 decreased by a number

-&gt; 3 minus a number

-&gt; subtract a number from 3

-&gt; 3 less a number



Example:

## MULTIPLICATION

 $2x$ 

-&gt; 2 times a number

-&gt; the product of 2 and a number

-&gt; 2 multiplied by a number

~~\*~~twice a number~~\*~~  
only for the number 2



Example:

## DIVISION

 $n \div 3$ 

-&gt; a number divided by 3

-&gt; the quotient of n and 3



Example:

## DIVISION

$$3 \div n$$

-> 3 divided by a number

-> the quotient of 3 and n



Example:

## PARENTHESES

$$2(x + 9)$$

-> twice (the sum of x and 9)



Example: NO PARENTHESES

$$2x + 8$$

-> twice a number increased  
by eight



EXAMPLES

four more than w

$$4 + w$$



## EXAMPLES

nine less than t

$$t - 9$$



## EXAMPLES

eleven increased by x

$$11 + x$$



## EXAMPLES

the **sum** of 6 and z

$$6 + z$$



## EXAMPLES

twenty **minus** r

$$20 - r$$



## EXAMPLES

x **more than** eighty

$$x + 80$$



## EXAMPLES

a number **divided by** seven

Let  $n$  be a number

$$n \div 7 \text{ OR } \frac{n}{7}$$





## EXAMPLES

product of  $z$  and 6

$$z \cdot 6 \text{ or } 6z$$



## EXAMPLES

ten more points than Jill  
scored

Let  $b$  be the points Jill scored

$$10 + b$$



## EXAMPLES

Amy's salary plus a \$300  
bonus

Let  $s$  be Amy's salary.

$$s + 300$$



## EXAMPLES

twice as many fouls as the  
Celtics had

Let  $s$  be the fouls of Celtics.

$$2 \cdot s \text{ or } 2s$$



## EXAMPLES

three times a number  
decreased by 8

Let  $n$  be a number.


$$3n - 8$$