Name:	Date:
Topic:	Class:

Main Ideas/Questions	Notes/Examples

Key Words & Phrases

ADDITION +

- plus
- increased by
- sum
- altogether
- in all
- total

SUBTRACTION −

- difference
- decreased by
- fewer than
- less than
- take away
- subtracted from

MULTIPLICATION ●

- multiplied by
- product
- double
- twice
- times
- triple

DIVISON /

- divided by
- quotient
- goes into
- split
- out of
-

"Turn Around" Phrases

Watch out for subtraction!

Phrases like less than and subtracted from indicate that you need to reverse the order!

Examples

Directions: Translate each expression.

	Words	Expression
1.	"five more than a number"	$n+5$
2.	"the quotient of a number and -2"	$\frac{n}{-2}$
3.	"twice a number"	$2n$
4.	"a number decreased by 7"	$n-7$

	5.	"the product of a number and twelve"	$12n$
	6.	"three subtracted from a number"	$n-3$
	7.	"earning $15 per hour"	$15h$
	8.	"$5 less than the cost of the ticket"	$t-5$
	9.	"the sum of a number and 24"	$n+24$
	10.	"50 markers divided among several students"	$\frac{50}{x}$
	11.	"two-fifths of a number"	$\frac{2}{5}n$
	12.	"half a number minus nineteen"	$\frac{1}{2}n-19$
	13.	"11 less than the product of a number and -4"	$-4n-11$
	14.	"the total of eight times a number and five"	$8n+5$
	15.	"the difference of a number squared and 14"	n^2-14
	16.	"three-fourths of a number plus 17"	$\frac{3}{4}n+17$

Going Backwards...

Directions: Write each expression in words.

	Words	Expression
17.	9 less than a number	$n-9$
18.	quotient of a number and 8	$\frac{p}{8}$
19.	product of -5 and a number	$-5x$
20.	10 more than a number	$k+10$
21.	$\frac{1}{3}$ of a number	$\frac{1}{3}m$
22.	30 less than the quotient of a number and 2	$\frac{a}{2}-30$
23.	-7 times a number minus 1	$-7n-1$
24.	twice a number plus 13	$2y+13$