TRANSLATE WORD SENTENCES INTO ALGEBRAIC EXPRESSIONS

The following table lists the most common phrases and their translation.

Operation	Words	Example of Phrase	Algebraic Sign	Algebraic Translation
Addition	sum plus added more than increased by	the **sum** of a number and 2 two **plus** a number two **added** to a number two **more than** a number a number **increased by** 2	+	x + 2
Subtraction	difference minus subtracted from less than decreased by reduced by deducted from	the **difference** of a number and two a number **minus** 2 two **subtracted from** a number two **less than** a number a number **decreased by** two a number **reduced by** two two **deducted from** a number	–	x - 2
Multiplication	product of multiply times twice thrice	the **product of** a number and two a number **multiplied** by two two **times** a number **twice** a number **thrice** a number	·	2x **3x**
Division	quotient of divided by	the **quotient of** a number and two a number **divided by** two	÷	$\frac{x}{2}$
Equal	equal to result is is		=	

EXAMPLES:

Translate each of the following into an algebraic expression.

1) Twelve more than five times a number. $5x + 12$

2) Six times the sum of a number and four. $6(x + 4)$

3) Eight subtracted from two times a number. $2x - 8$

4) The quotient of one less than a number and twice a number. $\frac{x - 1}{2x}$

5) The sum of a number and its reciprocal is equal to four. $x + \frac{1}{x} = 4$