

Key Phrases in Mathematical Problems

KEY Phrase	Key Phrase in Context	Mathematical Expression
Addition		
added to	2 added to x	$2 + x$
more than	7 more than y	$y + 7$
increased by	3 increased by t	$3 + t$
greater than	5 greater than s	$s + 5$
the total of	the total of x and y	$x + y$
plus	6 plus m	$6 + m$
the sum of	the sum of y and 2	$y + 2$
exceeds by	exceeds y by 35	$y + 35$
Subtraction		
subtracted by	7 subtracted by s	$7 - s$
minus	m minus 12	$m - 12$
less than	4 less than x	$x - 4$
less	4 less x	$4 - x$
subtracted from	x subtracted from 8	$8 - x$
decreased by	15 decreased by y	$15 - y$
the difference between	the difference between r and s	$r - s$
reduced by	m reduced by x	$m - x$
Multiplication		
times	10 times p	$10p$
multiplied by	x multiplied by 2	$2x$
the product of	the product of b and c	bc
of (with fractions or %)	one-third of y	$\frac{1}{3}y$
twice, double	twice k	$2k$
Divison		
divided by	16 divided by x	$16/x$
the quotient of	the quotient of t and j	t/j
the ratio of	ratio of y to 5	$y/5$
out of	3 out of y students	$3/y$
per	x miles per 5 gallons	$x/5$
Equals		
equals	equals	=
is, are, was, were	is, are, was, were	=
amounts to	amounts to	=
represents	represents	=
gives, yields	gives, yields	=
Exponents		
the square of	the square of x	x^2
the cube of	the cube of y	y^3
the power of	the seventh power of 6	6^7