



Identify Keywords

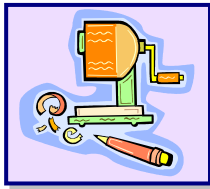
There are words and phrases that many people love to hear, such as *payday*, *sale*, *summer holiday* and *beach party*.

Keywords, also called **clue words**, are just as great because they offer hints to help solve word problems. To get the most out of keywords:

1. Read over the problem several times.
2. Identify and underline the **keywords**.
3. Determine their meanings.

Keywords often provide clues about which mathematical operation to use. When you are solving word problems, use the chart below to help you figure out which mathematical operation to use.

Addition Clue Words	Subtraction Clue Words	Multiplication Clue Words	Division Clue Words
Add Sum Total Plus In all Both Together How many in all Increased by All together Older than Larger than	Subtract Difference Take away Less than Remain Decreased by Have left Change (money problems) How much more How much less Fewer Reduce Younger than Smaller than Left over	Times Product Doubled Multiplied by Twice as much A times as much as B By (dimension) Older than	Quotient of Divided by Half (or a fraction) Split Separated Cut up Parts Share Ratio



Practice: Keywords and Symbols

1. Complete the chart to review mathematical operation keywords that will help you solve word problems. The first one is done for you.

Compare your responses with a classmate's and discuss similarities and differences.

You may want to keep a copy for future reference.

Keywords	Operation Symbol	Operation Word
Difference	—	Subtract
Twice as much		
Cut in half		
Reduce		
Double		
Older than		
Less than		
Increased by		
Decreased by		
Younger than		
Larger than		
Smaller than		
Half as much		
Left over		
How many in all		

2. a) Write the **mathematical operation and symbol** from the box below beside the description of the operation in words. The first one is done for you.

b) Underline the keywords in each description.

Mathematical Operations and Symbols		
8×9	$11 \times 2 = 22$	$8 - 6$
5 kg	$100 - 25$	$37 - 4$
$2 + 7$	$\frac{2}{3} + 4$	$3 < 5$
$\frac{1}{7}$	29°C	26 cm
$3 - (2 + 6)$	$100 - 25$	$\frac{1}{10} \bullet 2$

Mathematical Operations and Symbols	Description of Mathematical Operations in Words
$2 + 7$	two <u>increased</u> by seven
	eight times nine
	one hundred divided by twenty-five
	one-seventh
	two-thirds plus four
	three minus two plus six
	eleven multiplied by two equals twenty-two
	twenty-nine degrees Celsius
	twenty-six centimetres
	five kilograms
	one-tenth times two
	the difference between eight and six
	three is less than five
	one hundred reduced by 25
	thirty-seven decreased by four