

Notes: 9 September 2014

Addition:

plus, and, total of
altogether, Add
increased by, sum
combined, together
more than, Added to
in all, higher,
greater

multiplication:

times, product,
triple, double,
multiplied by, of
increased by a factor
twice, multiple
multiply

equals:

makes, is, are
were, was, will be
yields, sold for,
total, outcome
same, answer
(Congruent) equivalent
becomes

subtraction:

subtract, gave, take away
decreased by, fewer,
minus, shared, fewer than,
less than, difference, less
reduce, delete, lose, lost
deeper

Division:

quotient of, per, ratio of,
divided by, half, divisor,
divided into, percent,
split up, groups, separate
(fraction?) out of, over

Parenthesis:

the quantity of
twice the sum of
times the sum of
times the difference of
plus the difference of
the difference of — over —

Notes continued...

exponents:

to the power of $\underline{\quad}$, multiplied by itself $\underline{\quad}$ times
to the $\underline{\quad}$ power

ex: 1. $\frac{1}{2}a + 6b$

half a number added to six times a different number.

practice:

2. $16(u-3)$

sixteen times the quantity of a number minus 3.

3. $\frac{2}{3}r^4$

two thirds of a number times a number to the fourth power

4. $\frac{1}{8}(y-2)$

$\frac{1}{8}$ the difference of a number minus two

5. $8x^2(x-3)$

eight times a number squared multiplied into the same number minus three

* write the algebraic expression for each verbal expression

the product of p and 6. $\Rightarrow 6p$

one third the sum of x and 4. $\Rightarrow \frac{1}{3}(x+4)$

2 times the quantity of 5 less than b . $\Rightarrow 2(b-5)$

Write a story for the algebraic expression

P stands for the number of peanuts that Lorenzo bought.

$$20 - p$$

Lorenzo bought p number of peanuts.
The store had 20 peanuts to start out.

X stands for the number of text messages you send in a month.

$.15x + 30$ → data plan cost
cost per text ↙ ↘ number of text

You get charged .15 cents per text and \$30.00 for data.

Homework: page of verbal expressions
front + back. (New packet)