Name _____

Reteaching Page
2.2 Translate Between Words and Math

When solving word problems, we often need to write an equation. To do so, you must know what operations are needed.

Addition – add, plus, sum, total, increased by, more than, combine, older, taller

Subtraction – less than, decreased by, take away, lost, spent, younger, shorter, fewer

Multiplication – product, times, multiply

Division – quotient, divide, split up, create groups, share

You can use the key words to turn word phrases into mathematical phrases.

A. 3 years older than Jane

Jane + 3 = ***J*** + 3

B. 4 times as many as Bob

4 x ***B***

C. 8 fewer horses than the Circle R ranch

The Circle R Ranch – 8 = ***R*** - 8

D. Share 21 Skittles equally among 3 friends

21 ÷ 3

****Error Alert**** Subtraction is not commutative. It is very important that you **think out** what the words are saying before you make your expression. Let's say the Circle R Ranch has 10 horses. 8 fewer would not be 8 – 10. It must be 10 – 8. Now, since we don't really know how many horses are at the Circle R Ranch, replace the 10 with ***R*** and you know the answer is ***R*** – 8.

Translate each of the following word phrases into a numerical or algebraic expression.

_____1) Bobby lost $6.00.

_____2) The boys found 17 more baseball cards.

_____3) Julie bought a hat for $8.00.

_____4) She split the 48 candies among 6 friends.

_____5) The temperature fell 8 degrees.

_____6) Robert is twice as old as his sister.

Use key words to create a word phrase for each of the following expressions.

7) 4***n***

_____

8) ***n*** - 10

_____

9) 36 ÷ 9

_____