Name _____ Date _____

Fast Addition Moving Left to Right: The Break Down

One way to add large numbers quickly is to break down the second number into smaller parts and then add all the parts from left to right. For example:

34 + 27 = _____ is hard to do in your head. So, let's *break it down*.

27 is the same as 20 + 7.
Once you know this, the original problem becomes: 34 + 20 + 7 = _____ .
Now add this in your head:
34 + 20 = 54.
Then, 54 + 7 = 61.
You have your answer: 34 + 27 = 61.

Here's another example in 4 steps:

48 + 87 = _____

1. Rewrite the second number: 87 = 80 + 7.

2. Write the new problem:
48 + 80 + 7 = _____

3. Add left to right
48 + 80 = 128. Now add the 7 128 + 7 = 135.

135 is the answer!

Write the number that should go where the blank spaces are in the following three-part solutions using the adding left to right method:

1. 31 + 23 =

a. 23 = 20 + _3_
b. 31 + 20 + 3 =
c. 31 + 20 = 51. Then, 51 + _3_ = 54. The answer is 54.

2. 44 + 67 =

a. 67 = _60_ + 7
b. 44 + 60 + 7 =
c. 44 + 60 = 104. Then, 104 + _7_ = 111. The answer is 111.

3. 27 + 52 =

a. 52 = _50_ + _2_
b. _27_ + 50 + 2 =
c. _27_ + 50 = 77. Then, 77 + _2_ = 79. The answer is 79.