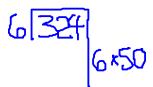**Dividing with the "Big 7"** *(called this because the enclosure looks like a large 7)*
Using the "Big 7" in division can be helpful because you can use LANDMARK NUMBERS to solve your problem. It is helpful to remember that, just like multiplication is repeated addition, **DIVISION IS REPEATED SUBTRACTION**.

Divisor – The number you are dividing by
Quotient – The answer
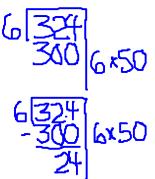Dividend – The number you are dividing

$6\overline{)324}$

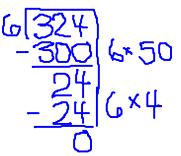Here are the steps to take when using the "Big 7":

1. **Divide**: Ask yourself, "What is the highest multiple of the divisor that will go into the dividend?"
   Hint: Use LANDMARK NUMBERS: Will it go in 10 times? 20 times? Etc.

2. **Multiply** the numbers. Write the equation on the outside of the "7" to help you keep track of your work.
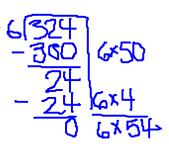
3. **Subtract** the amount.

4. **Repeat** this process until your remainder can no longer be divided by the divisor.

5. **Add** up the numbers of the groups you were able to divide. This is your answer, or the quotient.
   Notice how the divisor (6) is consistently written as a factor on the outside of the "Big 7."

(Bellevue School District – Jeri Albertini)