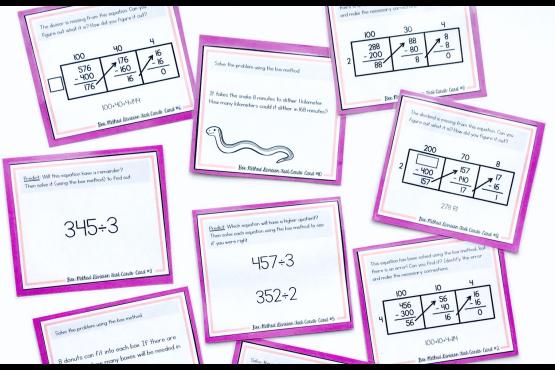
Box Method TASK CARDS

an alternative for long division

2 and 3 digit dividends; I-digit divisors some remainders



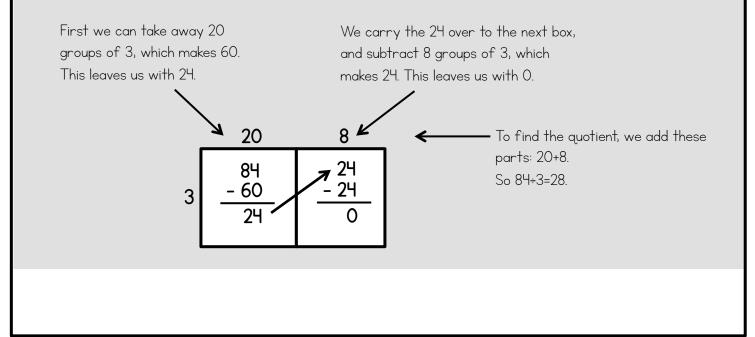
Created by Shelley Gray

The Box/Area Method: an alternative to long division

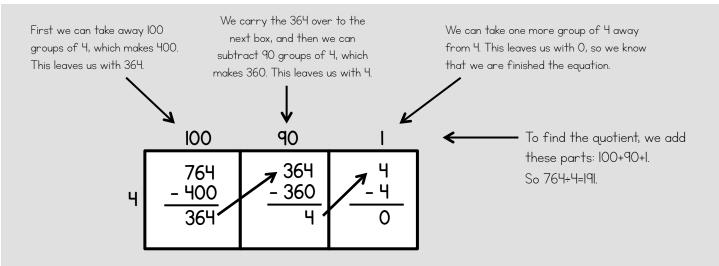
The Box (or Area) Method is an effective alternative for traditional long division. It is a mental math based approach in which a division equation is solved in manageable parts in order to find the final quotient. This method is an excellent introduction to the partial quotients strategy, as it follows the same steps but a different format.

The box method involves subtracting parts until you get to 0, or as close to 0 as possible.

Let's take a look at how we perform the box or area method. I have also included a video link on the next page.



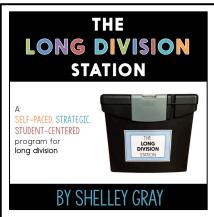
Here's another example. Notice that we try to work with "easy" numbers, such as multiples of 10 and 100:





Here is a link to a video that I've made about the Box Method for division. Please watch this to familiarize yourself with this method.

https://www.youtube.com/watch?v=yQivSMmYm20

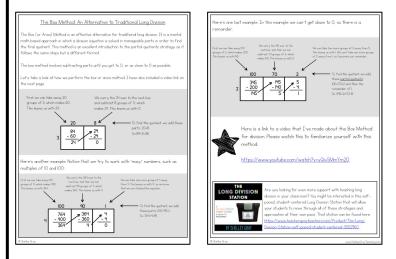


Are you looking for even more support with teaching long division in your classroom? You might be interested in this self-paced, student-centered Long Division Station that will allow your students to move through all of these strategies and approaches at their own pace. That station can be found here: <u>https://www.teacherspayteachers.com/Product/The-Long-</u>

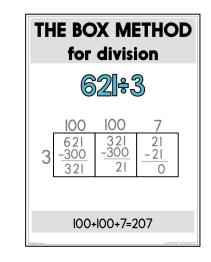
Division-Station-self-paced-student-centered-3552960

This resource includes...

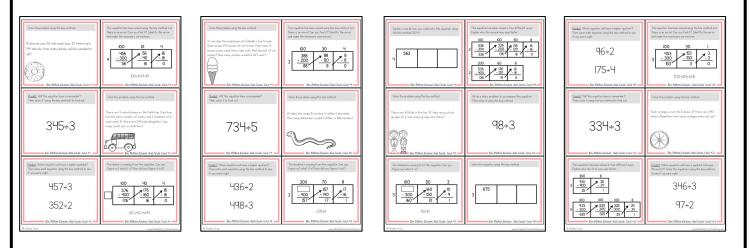
Detailed explanations of the box method, as well as a link to a helpful video



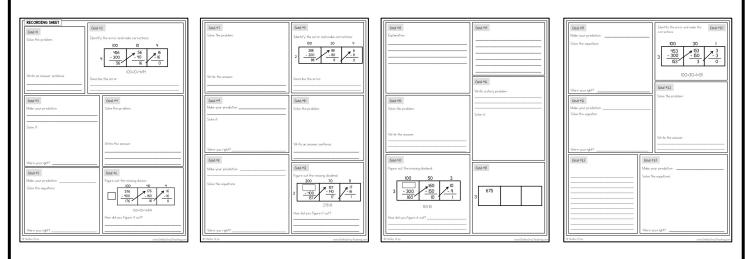
A box method strategy poster to display in your classroom:



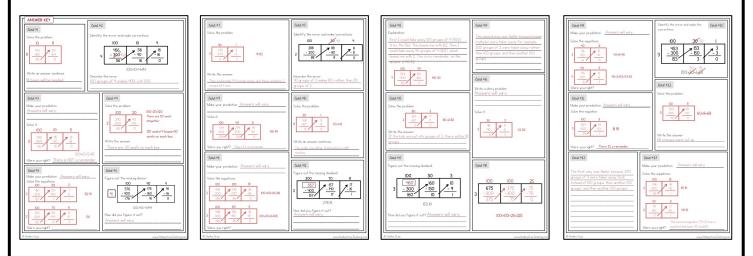
Twenty-four task cards that practice the box method in a variety of different ways



Recording sheets to help your students stay organized



Answer keys to make self-checking a breeze!



www.ShelleyGrayTeaching.com