

ALOUT THIS RESOURCE

Partial Products is a mental math strategy for double digit multiplication. It can be used as a replacement for the commonly-used "long multiplication." The primary reason for teaching this strategy (as with all mental math strategies) is that it will improve your students' understanding of number. Rather than memorizing a series of sometimes confusing steps as in long multiplication, students will use their knowledge of place value and what the numbers really mean.

If you would still like to teach your students the process of long multiplication, I would recommend doing so after they have had extensive practice with partial products and are performing equations easily and efficiently.

This strategy unit provides all of the resources that you will need for teaching the partial products strategy. Section 1 deals with a-digit by 1-digit multiplication. Section a teaches a-digit by adigit multiplication and may or may not be applicable to your grade level. If a-digit by a-digit multiplication is not part of your curriculum, you may choose to use the resources in Section a as enrichment for some students.

What's Included?

This strategy unit includes all of the resources that you will need for teaching the partial products strategy. It includes:



engaging activity sheets that will guide students through a step-by-step process of learning the partial products strategy; these are ideal for independent or partner work, or to use with a document camera





For more **mental math** resources, including strategy units for addition and subtraction, please visit the link below:

http://www.teacherspayteachers.com/Store/Shelley-Gray/?&breadcrumb=1&category=3217