Numeration and Operations 9: Alternate Algorithms

Objectives

⇒ To learn alternate ways of doing addition, subtraction and multiplication

Activity 1: Addition and Subtraction

 Someone will be chosen to explain to the class how and why scratch addition works. Practice it on the following addition problems:

2. The Austrian method of subtraction is illustrated below:

Thus 527 - 498 = 29.

a. Explain what was done in going from one step to the next. Why can the digits in the original problem be changed in that way? What is the advantage of rewriting the problem in the way it was?