

Lesson 5: Adding Four-Digit Numbers (2 Days)

Getting Started

? Questions to Explore

- How can we use place value to name, create, compare, add, and subtract large numbers?
- How does estimation help with computation?
- How does estimation help with problem solving?

⦿ Skills

- Fluently add and subtract beyond 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction
- Assess the reasonableness of answers using mental computation and estimation strategies including rounding

✂ Materials

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|---|------------------------------|
| ✓ "Math Strategies Review" sheets from Unit 1 | ✓ abacus (kit) |
| ✓ base-10 block cards (kit) | ✓ calculator |
| ✓ fine point dry-erase marker (kit) | ✓ Interactive Notebook (kit) |
| ✓ place value cards (kit) | ✓ whiteboard (kit) |

Introduction

The next two lessons address addition and subtraction with larger numbers. It may help your child to refer to the "Math Strategies Review" sheets from Unit 1, Lesson 1 (located in the Interactive Notebook) as he works on the activities in these lessons.

Remind your child that we often use rounding as a strategy for estimating the sum of a problem. Write the addition sentences below on the whiteboard and ask your child to round each number to the nearest hundred and then add them together. Point out that many of the sums are over 1,000. Review the concept that it takes 10 hundreds to make 1 thousand. Say, "Sometimes we need more than an estimate, though. We need to use our different strategies to add numbers that are larger." Have your child review the addition strategies he can use. (base-10 blocks, abacus, regrouping on paper)

- $799+298$
- $856+687$
- $999+999$
- $180+692$
- $817+576$