

Curriculum Parent Overview - Unit 3 (Grade 3)

MATHEMATICS

UNIT #3: TRAVEL STORIES AND COLLECTIONS (ADDITION/SUBTRACTION/NUMBER SYSTEM 1)

CONTENT FOCUS:

This unit focuses on understanding and extending knowledge of place value and the number system to 1,000 and adding subtracting accurately and efficiently.

UNIT FOCUS:

- Place value to add and subtract: Students build on place-value concepts they developed in Grade 2. They do this by deepening their understanding of the structure of the number system, the relationship among the digits of a number, what happens when multiples of 10 and 100 are added to or subtracted from a number, and a number's magnitude. They use all these pieces toward the goal of developing fluency with addition and subtracting.
- Adding and subtracting fluently: In order to solve addition and subtraction problems, students must understand the meaning of the operations and have a good mental model of what is happening in the problem. Students practice and refine addition and subtraction strategies with 3-digit numbers to 400. Students' strategies for addition fall into two categories: 1) breaking the numbers apart and then adding the parts together, and 2) creating a related or equivalent problem with numbers that are easier to add. Students' strategies for subtraction fall into three categories: 1) subtracting in parts, 2) adding up or subtracting back, and 3) creating a related or equivalent problem with numbers that are easier to add.
- Understanding different types of addition and subtraction problems: Students continue to solve many types of story problems, including adding to, taking from, putting together/taking apart, and comparing. The emphasis as students work on these different types of problems is on students making sense of the problems, and choosing a strategy they can use to solve the problem. Developing visual images and using visual representations as they solve problems is an important foundation for understanding operations and how they work, and for making good decisions about strategies for computation.
- **MATHEMATICAL PRACTICES:**

MP2: Reason abstractly and quantitatively.

MP7: Look for and make use of structure.

CONNECTIONS TO PREVIOUS CONTENT:

This unit builds on the work students have done in grade K-2 as they learned about place value and the operations of addition and subtraction. The work in this unit assumes that students have some experience with using an understanding of place value (to 1,000) and the properties of operations to solve addition and subtraction problems. It is expected that most students are fluent with the addition and subtraction facts (within 20), and can fluently add and subtract within 100.

CONNECTIONS TO FUTURE CONTENT:

Students continue their study of addition and subtraction in unit 7 where students further refine their addition and subtraction strategies as they solve problems with 3-digit numbers. IT is expected that students will leave Grade 3 able to fluently solve addition and subtraction problems within 1,000.

MATH AT HOME:

- Play any of the following games with your child on Pearson Site after it has been introduced in the classroom:
 - Capture 5
 - Close to 100
 - Go Collecting
 - Capture on the 300 Chart
 - How Far From 100
- Visit [Investigations Math At-Home](#) for ideas
- Review the Math Words and Ideas videos for this unit on [Pearson Site](#)