Using Addition and Subtraction

Performance Task Objectives

- Estimate sums and differences of 3-digit to 6-digit numbers
- Add and subtract up to a 5-digit number

Sunshine State Standards

- MA.A.3.2.2
- MA.A.3.2.3
- MA.A.4.2.1

Materials

- Student recording sheet
- Paper and pencil

Student arrangement

- Individual

Task

Present the problem on the student Recording Sheet to your students.

Performance Criteria

- Does the student understand how to use estimation, addition, and subtraction in drawing conclusions about the lengths of the rivers?

- Do the student's examples show a correct estimated sum and difference, and a correct exact sum and difference?

- Can the student explain how he or she found each sum or difference?

Name _____

The table below shows the lengths of five of the longest rivers in North America. Use the table to complete the following 5 tasks.

RIVER	LENGTH (km)
Arkansas	2,353
Mackenzie	4,250
Mississippi	3,774
Missouri	3,734
Rio Grande	3,065

1. What is an **estimated sum** of the lengths of the Arkansas and the Mississippi Rivers? **Show your work.**

2. What is the **exact sum** of the lengths of these two rivers? **Show your work.**

3. What is an **estimated difference** in the lengths of the Rio Grande and the Mackenzie Rivers? **Show your work.**

4. What is the **exact difference** in the lengths of these two rivers? **Show your work.**

5. Write an **explanation** of how you found the estimated sum or difference.