

## PROBLEM SOLVING

### Lesson 1.8

Name \_\_\_\_\_

### Problem Solving • Comparison Problems with Addition and Subtraction

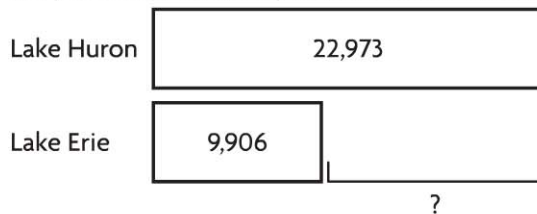
**COMMON CORE STANDARD** CC.4.NBT.4

Use place value understanding and properties of operations to perform multi-digit arithmetic.

Use the information in the table for 1–3.

1. How many square miles larger is the surface area of Lake Huron than the surface area of Lake Erie?

**Think:** How can a bar model help represent the problem? What equation can be written?



$$22,973 - 9,906 = \underline{13,067} \text{ square miles}$$

Surface Area of the Great Lakes	
Lake	Surface Area (in square miles)
Lake Superior	31,700
Lake Michigan	22,278
Lake Huron	22,973
Lake Erie	9,906
Lake Ontario	7,340

13,067 square miles

2. Which lake has a surface area that is 14,938 square miles greater than the surface area of Lake Ontario? Draw a model and write a number sentence to solve the problem.

3. Lake Victoria has the largest surface area of all lakes in Africa. Its surface area is 26,828 square miles. How much larger is the surface area of Lake Superior than that of Lake Victoria?

4. At 840,000 square miles, Greenland is the largest island in the world. The second-largest island is New Guinea, at 306,000 square miles. How much larger is Greenland than New Guinea?

### Lesson Check (CC.4.NBT.4)

1. The Mariana Trench in the Pacific Ocean is about 36,201 feet deep. The Puerto Rico Trench in the Atlantic Ocean is about 27,493 feet deep. Based on these data, how many feet deeper is the Mariana Trench than the Puerto Rico Trench?  
(A) 8,708 feet      (C) 9,808 feet  
(B) 9,718 feet      (D) 63,694 feet
2. At 1,932 feet, Crater Lake, Oregon, is the deepest lake in the United States. The world's deepest lake, Lake Baykal in Russia, is 3,383 feet deeper. How deep is Lake Baykal?  
(A) 3,383 feet  
(B) 4,215 feet  
(C) 4,315 feet  
(D) 5,315 feet

### Spiral Review (CC.4.NBT.3, CC.4.NBT.4)

3. Which of the following amounts is greater than \$832,458? (Lesson 1.3)  
(A) \$82,845  
(B) \$832,458  
(C) \$823,845  
(D) \$832,485
4. A stadium in Pennsylvania seats 107,282 people. A stadium in Arizona seats 71,706 people. Based on these facts, how many more people does the stadium in Pennsylvania seat than the stadium in Arizona? (Lesson 1.7)  
(A) 35,576      (C) 36,576  
(B) 35,586      (D) 178,988
5. Which of the following numbers is 399,713 rounded to the place value of the underlined digit? (Lesson 1.4)  
(A) 390,000  
(B) 398,000  
(C) 399,800  
(D) 400,000
6. About 400,000 people visited an art museum in December. Which number could be the exact number of people who visited the art museum? (Lesson 1.4)  
(A) 478,051  
(B) 452,223  
(C) 352,483  
(D) 348,998