

Grade 5 Chapter 4 Lesson 5

Communicate About a Choice of Calculation Method.

Answers

1. For example, his rough copy showed some steps but did not explain how he calculated. His good copy explained his thinking, had lots of detail, and showed all of his steps. He used math language in both copies.
2. For example, I only need to estimate because the problem asks "about" how many people. I rounded the visitors in May (1228), June (1875), and July (1765) to the nearest thousand and found the sum: $1000 + 2000 + 2000 = 5000$. I then rounded the number of visitors last year (7929) to 8000, and subtracted to get the answer: $8000 - 5000 = 3000$. So about 3000 people need to visit the bird sanctuary in August to match last year's figure.
3. a) Amanda has 1356 reward points left.
b) For example, I can use mental math to find the total because the numbers are all in hundreds. Then I think I can use mental math to find the number of reward points left.
c) I need to provide more detail and show how I used mental math. For example, in calculating the total reward points, I found that pairs of numbers were easy to add together: $2500 + 500 = 3000$, and $2300 + 1700 = 4000$, because $23 + 17 = 40$, and therefore 23 hundreds + 17 hundreds = 40 hundreds = 4000. Then I mentally added $4000 + 3000 = 7000$. From here it was easy to subtract 7000 from 8356 by first subtracting the thousands: $8000 - 7000 = 1000$. Then I added on the other points. Amanda has $1000 + 356 = 1356$ reward points left.