

Name _____ Date _____

Estimate or Exact Amount?

CA Standards
MR 2.5, MR 2.4

Some problems require an exact answer.

Roberto needs to buy 3 tickets for the music concert. Each ticket costs \$8.25. He only has \$25.00. Does he have enough money to buy the tickets?

Step 1 Because Roberto only has so much money to spend, you need to find an exact answer. Multiply \$8.25 by 3 or add \$8.25 three times.

$$\$8.25 \times 3 = \$24.75$$

Step 2 Compare the answer you got to the total sum of money Roberto has. Which sum is larger?

$$\$25.00 > \$24.75$$

Solution: Roberto has enough money to buy the 3 concert tickets.

Solve. Did you use an estimate or an exact answer?

- The distance from Sam's house to his cousin's home is 637 miles. From his cousin's house to Yellowstone National Park is 248 miles in the same direction. How far is Sam's house from Yellowstone?

- Sam spent \$32.85 on souvenirs at a gift shop in Yellowstone Park. His sister Sandy spent \$20.25 on souvenirs. To the nearest dollar, how much more did Sam spend than Sandy on souvenirs?

- Sam and Sandy hiked 22 miles in Yellowstone. A few days later, they visited the Grand Tetons and hiked another 15 miles in that park. How many more miles did they hike in Yellowstone than the Grand Tetons?



Writing Math If Roberto estimated both ticket prices to the nearest dollar in the example problem above, would he still have enough money to pay for them? Explain your answer.
