Problem Solving

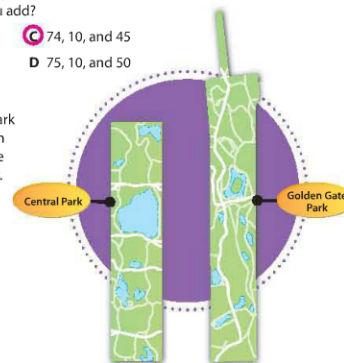| Exercise	Content
40	Communicate Math Understanding
41	Addition (14 + 14 + 13 + 13)
42	Extra Information
43	Multiple-Step [56 − (13 + 13 + 9 + 9)]
44	Estimation
45	Estimation
	Subtraction [1,000 − 800]

Students use underlying processes and mathematical tools for Exercises 40–45. Remind students to check for reasonableness when solving each problem.

Exercise 42
Test-Taking Tip: Make Smart Choices Remind students to eliminate wrong answers. *Note that the problem is asking for the total amount of students.*

Problem Solving

40. **Writing to Explain** The cost of one CD is $16.98 and the cost of another CD is $9.29. Brittany estimated the cost of these two CDs to be about $27. Did she overestimate or underestimate? Explain.
    See margin.

41. Martha cycled 14 miles each day on Saturday and Monday and 13 miles each day on Tuesday and Thursday. How many miles did she cycle in all?
    54 miles

42. One fifth-grade class has 11 boys and 11 girls. A second fifth-grade class has 10 boys and 12 girls. There are 6 math teachers. To find the total number of fifth-grade students, what information is not needed?

    A The number of girls in the first class.

    B The number of boys in the first class.

    Ⓒ The number of math teachers.

    D The number of boys in the second class.

43. On vacation, Steven spent $13 each day on Monday and Tuesday. He spent $9 each day on Wednesday and Thursday. If Steven brought $56 to spend, how much did he have left to spend?
    $12

44. Estimate 74.05 + 9.72 + 45.49 by rounding to the nearest whole number. What numbers did you add?

    A 75, 10, and 46   Ⓒ 74, 10, and 45

    B 74.1, 9.7, and 45.5   D 75, 10, and 50

45. Golden Gate Park is located in San Francisco, California. The park covers 1,017 acres and has been compared to the size and shape of Central Park in New York City. Central Park covers 843 acres. About how many more acres does Golden Gate Park cover than Central Park?
    About 200 acres

40. Overestimate; Brittany used numbers that are greater than the actual addends.