**Addition Strategies** 

### A. Choose the correct answer:

- 1. Which of these is a useful strategy for adding 399 + 601 quickly?
  - a) Rounding
  - b) Guessing
  - c) Borrowing
  - d) Multiplying
- 2. What is the first step in breaking numbers into expanded form before adding?
  - a) Multiply the numbers
  - b) Add the digits directly
  - c) Split numbers by place values
  - d) Subtract the numbers

#### 3. Which of these pairs can be added using compensation strategy easily?

- a) 251 + 349
- b) 427 + 154
- c) 399 + 201
- d) 368 + 431

### **B.** Fill in the Blanks

- 1. Adding by rounding means adjusting numbers to the nearest \_\_\_\_\_
- 2. 398 + 602 can be simplified by rounding to \_\_\_\_\_ and \_\_\_\_\_
- 3. When using expanded form, 653 is written as \_\_\_\_\_\_ + \_\_\_\_\_\_ + \_\_\_\_\_\_
- 4. The compensation strategy works by adding a number and then \_\_\_\_\_ the extra
- 5. Adding from left to right is called the \_\_\_\_\_ strategy

# C. Different Type Questions

- 1. Add 398 + 602 using rounding strategy, then check by actual addition
- 2. Solve 473 + 128 using expanded form strategy
- 3. Explain how to use the compensation strategy for 499 + 201
- 4. Show step-by-step how to add 325 + 276 using place value blocks

5. A shopkeeper sold 799 items in one week and 203 in the next week. Use rounding to estimate and then find the exact total

### D. Mark each sentence with a True ( $\checkmark$ ) or False (X):

- 1. Rounding to the nearest ten always makes numbers larger
- 2. The expanded form helps to break numbers into place values
- 3. Compensation means subtracting numbers to make them easier
- 4. 600 + 400 is easier to add mentally than 598 + 402
- 5. The best way to add 320 + 450 is always to use a calculator

## E. Miscellaneous Questions

- 1. Write a real-life situation where you would use rounding to add quickly
- 2. Create your own two numbers that can be added using compensation strategy and solve them
- 3. Use the left-to-right strategy to add 521 + 346 and explain the steps
- 4. Make a number puzzle that requires using expanded form addition to solve
- 5. Show how to add 488 + 512 using number line strategy