



# Mental Math Within 100

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 2

## Part A: Multiple Choice

Circle the best answer for each question.

1. Which strategy works best for  $34 + 29$ ?

- A)  $34 + 30 - 1$
- B)  $34 + 30 + 1$
- C)  $34 - 30 + 1$
- D)  $34 + 20 + 9 + 1$

2. Which is the best break-apart step for  $46 + 27$ ?

- A)  $40 + 20$  and  $6 + 7$
- B)  $46 + 20 + 7$
- C)  $40 + 6$  only
- D)  $46 - 27$  and add back

3. Which approach is easiest for  $58 + 19$ ?

- A)  $58 + 20 - 1$
- B)  $58 + 10 + 9$
- C)  $58 + 19$  on paper
- D)  $58 - 20 + 1$

4. Which strategy is best for  $25 + 38$ ?

- A)  $25 + 40 - 2$
- B)  $25 + 38$  by ones
- C)  $25 + 30 + 10$
- D)  $25 - 38 + 2$

## Part B: Fill in the Blank

Write the correct answer on each line.

1.  $34 + 29$  using compensation is  $34 + 30 - 1 =$  \_\_\_\_\_ .
2.  $46 + 27$  by break-apart:  $40 + 20 = 60$  and  $6 + 7 = 13$ , sum is \_\_\_\_\_ .
3.  $58 + 19$  by compensation is  $58 + 20 - 1 =$  \_\_\_\_\_ .
4.  $25 + 38$  using compensation is  $25 + 40 - 2 =$  \_\_\_\_\_ .
5.  $62 + 25$  by break-apart:  $60 + 20 = 80$  and  $2 + 5 = 7$ . Sum is \_\_\_\_\_ .

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- D)  $25 - 38 + 2$

### Part B: Fill in the Blank

Write the correct answer on each line.

1.  $34 + 29$  using compensation is  $34 + 30 - 1 = \underline{63}$  .
2.  $46 + 27$  by break-apart:  $40 + 20 = 60$  and  $6 + 7 = 13$ , sum is  $\underline{73}$  .
3.  $58 + 19$  by compensation is  $58 + 20 - 1 = \underline{77}$  .
4.  $25 + 38$  using compensation is  $25 + 40 - 2 = \underline{63}$  .
5.  $62 + 25$  by break-apart:  $60 + 20 = 80$  and  $2 + 5 = 7$ . Sum is  $\underline{87}$  .