



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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- C) $25 + 30 + 10$
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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 $\underline{87}$.