Name _____

Mental Math Strategies

Add or subtract mentally. Use breaking apart or compensation.

1. 58 + 66   **2.** 85 − 43   **3.** 372 + 798   **4.** 825 + 247

_____   _____   _____   _____

Add or subtract mentally. Use breaking apart.

5. 525 − 456   **6.** 7,398 − 226   **7.** 8,255 + 369

_____   _____   _____

Add or subtract mentally. Use compensation.

8. 787 + 434   **9.** 4,647 − 698   **10.** 6,595 + 2,784

_____   _____   _____

11. Sierra played 5 games of Math Mind. By the end of the fifth game, Sierra had won 58 addition cards and 46 subtraction cards. How many cards did

Sierra have altogether? _____

12. Kelly and Roger were tied. To break the tie, each took the card shown. The one with the greatest sum kept the card and won the game. Who won?

Math Mind Card	
Kelly	Roger
966 + 759	834 + 763

_____

13. Sierra tried to stump the other players with a new card. She wrote 987 − 879 on a card. What is the answer? Which strategy did you use?

_____

Test Prep   Circle the correct letter for each answer.

14. Miguel made 35 Math Mind cards. He made 18 addition cards. How many subtraction cards did he make?

    A 16   **B** 17   **C** 15   **D** 18

15. One class made 176 addition cards. Another class made 189 subtraction cards. How many cards did the two classes make altogether?

    F 265   **G** 255   **H** 355   **J** 365

Answer Key

Mental Math Strategies

Add or subtract mentally. Use breaking apart or compensation.

1. 58 + 66
124

2. 85 − 43
42

3. 372 + 798
1,170

4. 825 + 247
1,072

Add or subtract mentally. Use breaking apart.

5. 525 − 456
69

6. 7,398 − 226
7,172

7. 8,255 + 369
8,624

Add or subtract mentally. Use compensation.

8. 787 + 434
1,221

9. 4,647 − 698
3,949

10. 6,595 + 2,784
9,379

11. Sierra played 5 games of Math Mind. By the end of the fifth game, Sierra had won 58 addition cards and 46 subtraction cards. How many cards did Sierra have altogether? **104**

12. Kelly and Roger were tied. To break the tie, each took the card shown. The one with the greatest sum kept the card and won the game. Who won?
Kelly

Math Mind Card	
Kelly	Roger
966 + 759	834 + 763

13. Sierra tried to stump the other players with a new card. She wrote 987 − 879 on a card. What is the answer? Which strategy did you use?
108; strategies will vary.

Test Prep Circle the correct letter for each answer.

14. Miguel made 35 Math Mind cards. He made 18 addition cards. How many subtraction cards did he make?

A 16   **(B)** 17   **C** 15   **D** 18

15. One class made 176 addition cards. Another class made 189 subtraction cards. How many cards did the two classes make altogether?

F 265   **G** 255   **H** 355   **(J)** 365