



Name _____

Mental Math Strategies**2-11**

Add or subtract by breaking apart the numbers in the problems.

$46 + 38 = \square$

$40 + 30 = 70$ Add the tens in both numbers.

$6 + 8 = 14$ Add the ones in both numbers.

$70 + 14 = 84$ Add the sums of tens and ones.

So, $46 + 38 = 84$.

$847 - 323 = \square$

$800 - 300 = 500$ Subtract the hundreds in both numbers.

$40 - 20 = 20$ Subtract the tens in both numbers.

$7 - 3 = 4$ Subtract the ones in both numbers.

$500 + 20 + 4 = 524$ Add the sums.

So, $847 - 323 = 524$.

Add or subtract by using compensation.

$167 + 97 = \square$

$167 + 100 = 267$ Add 3 to 97 to make 100.

$267 - 3 = 264$ Subtract 3 from the sum to compensate for adding 3.

So, $167 + 97 = 264$.

$62 - 47 = \square$

$62 - 50 = 12$ Add 3 to 47 to make 50.

$12 + 3 = 15$ Add 3 to the difference to compensate for adding 3 more.

So, $62 - 47 = 15$.

Add or subtract mentally. Use breaking apart.

1. $39 + 28 =$ _____

2. $47 + 39 =$ _____

3. $69 + 32 =$ _____

4. $349 + 218 =$ _____

5. $832 + 411 =$ _____

6. $849 + 130 =$ _____

7. $362 + 105 =$ _____

8. $486 + 363 =$ _____

9. $314 + 129 =$ _____

10. $437 + 280 =$ _____

11. $739 + 420 =$ _____

Add or subtract mentally. Use compensation.

12. $49 + 26 =$ _____

13. $58 + 23 =$ _____

14. $78 + 40 =$ _____

15. $90 + 29 =$ _____

16. $439 + 396 =$ _____

17. $625 + 299 =$ _____