



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.  $625 + 299 =$  \_\_\_\_\_