Mental Addition

Break numbers into parts to make adding easier:	30 + 28 / \\ 30 + 20 + 8 = _____	12 + 60 / \\ 2 + 10 + 60 = _____

1. Break one of the numbers into its tens and ones. Then add using mental math.

a. 50 + 14 = *50 + 10 + 4 = 64*	**b.** 80 + 11	**c.** 50 + 39
d. 35 + 60	**e.** 10 + 5 + 21	**f.** 29 + 40 + 30

2. Add the tens and the ones separately. Look at the example.

a. 36 + 22 = **30 + 20** + **6 + 2** =	**b.** 72 + 18 = **70 + 10** + **2 + 8** =	**c.** 54 + 37
d. 24 + 55	**e.** 36 + 36	**f.** 42 + 68

3. Play the **5-Card Draw to the Target** game. (See Games and Activities.)

4. Find the easiest order to add! You can break numbers into parts and add part-by-part.

a. 20 + 40 + 2 + 7 = _____	**b.** 30 + 50 + 8 + 2 = _____	**c.** 40 + 60 + 4 + 3 = _____
d. 10 + 12 + 7 + 3 = _____	**e.** 52 + 4 + 30 + 3 = _____	**f.** 78 + 10 + 2 + 20 = _____

If the number you add changes, the *sum* (answer) changes in the *same* way!

56 + 4 = 60	17 + 100 = 117	15 + 15 = 30
56 + **5** = **61**	17 + **99** = **116**	15 + **17** = **32**
1 more	1 less	2 more

5. Compare each pair of problems, and solve.

a.	**b.**	**c.**
48 + 20 = _____	28 + 100 = _____	25 + 25 = _____
48 + 21 = _____	28 + 99 = _____	25 + 27 = _____
d.	**e.**	**f.**
200 + 36 = _____	36 + 40 = _____	46 + 50 = _____
199 + 36 = _____	36 + 39 = _____	46 + 47 = _____

Now think of an easier problem to solve first.

g.	**h.**	**i.**
98 + 14 = _____	62 + 29 = _____	53 + 38 = _____

Puzzle Corner

Solve the mystery numbers signified by the shapes!
(Hint: you can guess and check.)

a.

△ + △ + 1 = 15

△ = _____

b.

□ + ⬡ = 11

□ – ⬡ = 5

⬡ = _____

□ = _____

c.

▯ + ○ = 17

▯ + ▯ = 14

○ = _____

▯ = _____