

# Addition and Subtraction Number Families

## One Family

$$0 + 1 = 1 \quad 1 - 1 = 0$$

## Two Family

$$0 + 2 = 2 \quad 2 - 2 = 0$$

$$1 + 1 = 2 \quad 2 - 1 = 1$$

## Three Family

$$0 + 3 = 3 \quad 3 - 3 = 0$$

$$1 + 2 = 3 \quad 3 - 2 = 1$$

$$2 + 1 = 3 \quad 3 - 1 = 2$$

## Four Family

$$0 + 4 = 4 \quad 4 - 4 = 0$$

$$1 + 3 = 4 \quad 4 - 3 = 1$$

$$2 + 2 = 4 \quad 4 - 2 = 2$$

$$3 + 1 = 4 \quad 4 - 1 = 3$$

## Five Family

$$0 + 5 = 5 \quad 5 - 5 = 0$$

$$1 + 4 = 5 \quad 5 - 4 = 1$$

$$2 + 3 = 5 \quad 5 - 3 = 2$$

$$3 + 2 = 5 \quad 5 - 2 = 3$$

$$4 + 1 = 5 \quad 5 - 1 = 4$$

## Six Family

$$0 + 6 = 6 \quad 6 - 6 = 0$$

$$1 + 5 = 6 \quad 6 - 5 = 1$$

$$2 + 4 = 6 \quad 6 - 4 = 2$$

$$3 + 3 = 6 \quad 6 - 3 = 3$$

$$4 + 2 = 6 \quad 6 - 2 = 4$$

$$5 + 1 = 6 \quad 6 - 1 = 5$$

## Seven Family

$$0 + 7 = 7 \quad 7 - 7 = 0$$

$$1 + 6 = 7 \quad 7 - 6 = 1$$

$$2 + 5 = 7 \quad 7 - 5 = 2$$

$$3 + 4 = 7 \quad 7 - 4 = 3$$

$$4 + 3 = 7 \quad 7 - 3 = 4$$

$$5 + 2 = 7 \quad 7 - 2 = 5$$

$$6 + 1 = 7 \quad 7 - 1 = 6$$

## Eight Family

$$0 + 8 = 8 \quad 8 - 8 = 0$$

$$1 + 7 = 8 \quad 8 - 7 = 1$$

$$2 + 6 = 8 \quad 8 - 6 = 2$$

$$3 + 5 = 8 \quad 8 - 5 = 3$$

$$4 + 4 = 8 \quad 8 - 4 = 4$$

$$5 + 3 = 8 \quad 8 - 3 = 5$$

$$6 + 2 = 8 \quad 8 - 2 = 6$$

$$7 + 1 = 8 \quad 8 - 1 = 7$$

## Nine Family

$$0 + 9 = 9 \quad 9 - 9 = 0$$

$$1 + 8 = 9 \quad 9 - 8 = 1$$

$$2 + 7 = 9 \quad 9 - 7 = 2$$

$$3 + 6 = 9 \quad 9 - 6 = 3$$

$$4 + 5 = 9 \quad 9 - 5 = 4$$

$$5 + 4 = 9 \quad 9 - 4 = 5$$

$$6 + 3 = 9 \quad 9 - 3 = 6$$

$$7 + 2 = 9 \quad 9 - 2 = 7$$

$$8 + 1 = 9 \quad 9 - 1 = 8$$

## Ten Family

$$0 + 10 = 10 \quad 10 - 10 = 0$$

$$1 + 9 = 10 \quad 10 - 9 = 1$$

$$2 + 8 = 10 \quad 10 - 8 = 2$$

$$3 + 7 = 10 \quad 10 - 7 = 3$$

$$4 + 6 = 10 \quad 10 - 6 = 4$$

$$5 + 5 = 10 \quad 10 - 5 = 5$$

$$6 + 4 = 10 \quad 10 - 4 = 6$$

$$7 + 3 = 10 \quad 10 - 3 = 7$$

$$8 + 2 = 10 \quad 10 - 2 = 8$$

$$9 + 1 = 10 \quad 10 - 1 = 9$$

## Eleven Family

$$0 + 11 = 11 \quad 11 - 11 = 0$$

$$1 + 10 = 11 \quad 11 - 10 = 1$$

$$2 + 9 = 11 \quad 11 - 9 = 2$$

$$3 + 8 = 11 \quad 11 - 8 = 3$$

$$4 + 7 = 11 \quad 11 - 7 = 4$$

$$5 + 6 = 11 \quad 11 - 6 = 5$$

$$6 + 5 = 11 \quad 11 - 5 = 6$$

$$7 + 4 = 11 \quad 11 - 4 = 7$$

$$8 + 3 = 11 \quad 11 - 3 = 8$$

$$9 + 2 = 11 \quad 11 - 2 = 9$$

$$10 + 1 = 11 \quad 11 - 1 = 10$$

## Twelve Family

$$0 + 12 = 12 \quad 12 - 12 = 0$$

$$1 + 11 = 12 \quad 12 - 11 = 1$$

$$2 + 10 = 12 \quad 12 - 10 = 2$$

$$3 + 9 = 12 \quad 12 - 9 = 3$$

$$4 + 8 = 12 \quad 12 - 8 = 4$$

$$5 + 7 = 12 \quad 12 - 7 = 5$$

$$6 + 6 = 12 \quad 12 - 6 = 6$$

$$7 + 5 = 12 \quad 12 - 5 = 7$$

$$8 + 4 = 12 \quad 12 - 4 = 8$$

$$9 + 3 = 12 \quad 12 - 3 = 9$$

$$10 + 2 = 12 \quad 12 - 2 = 10$$

$$11 + 1 = 12 \quad 12 - 1 = 11$$



# Addition and Subtraction Number Families

## Thirteen Family

$0 + 13 = 13$	$13 - 13 = 0$
$1 + 12 = 13$	$13 - 12 = 1$
$2 + 11 = 13$	$13 - 11 = 2$
$3 + 10 = 13$	$13 - 10 = 3$
$4 + 9 = 13$	$13 - 9 = 4$
$5 + 8 = 13$	$13 - 8 = 5$
$6 + 7 = 13$	$13 - 7 = 6$
$7 + 6 = 13$	$13 - 6 = 7$
$8 + 5 = 13$	$13 - 5 = 8$
$9 + 4 = 13$	$13 - 4 = 9$
$10 + 3 = 13$	$13 - 3 = 10$
$11 + 2 = 13$	$13 - 2 = 11$
$12 + 1 = 13$	$13 - 1 = 12$

## Fourteen Family

$0 + 14 = 14$	$14 - 14 = 0$
$1 + 13 = 14$	$14 - 13 = 1$
$2 + 12 = 14$	$14 - 12 = 2$
$3 + 11 = 14$	$14 - 11 = 3$
$4 + 10 = 14$	$14 - 10 = 4$
$5 + 9 = 14$	$14 - 9 = 5$
$6 + 8 = 14$	$14 - 8 = 6$
$7 + 7 = 14$	$14 - 7 = 7$
$8 + 6 = 14$	$14 - 6 = 8$
$9 + 5 = 14$	$14 - 5 = 9$
$10 + 4 = 14$	$14 - 4 = 10$
$11 + 3 = 14$	$14 - 3 = 11$
$12 + 2 = 14$	$14 - 2 = 12$
$13 + 1 = 14$	$14 - 1 = 13$

## Fifteen Family

$0 + 15 = 15$	$15 - 15 = 0$
$1 + 14 = 15$	$15 - 14 = 1$
$2 + 13 = 15$	$15 - 13 = 2$
$3 + 12 = 15$	$15 - 12 = 3$
$4 + 11 = 15$	$15 - 11 = 4$
$5 + 10 = 15$	$15 - 10 = 5$
$6 + 9 = 15$	$15 - 9 = 6$
$7 + 8 = 15$	$15 - 8 = 7$
$8 + 7 = 15$	$15 - 7 = 8$
$9 + 6 = 15$	$15 - 6 = 9$
$10 + 5 = 15$	$15 - 5 = 10$
$11 + 4 = 15$	$15 - 4 = 11$
$12 + 3 = 15$	$15 - 3 = 12$
$13 + 2 = 15$	$15 - 2 = 13$
$14 + 1 = 15$	$15 - 1 = 14$

## Sixteen Family

$0 + 16 = 16$	$16 - 16 = 0$
$1 + 15 = 16$	$16 - 15 = 1$
$2 + 14 = 16$	$16 - 14 = 2$
$3 + 13 = 16$	$16 - 13 = 3$
$4 + 12 = 16$	$16 - 12 = 4$
$5 + 11 = 16$	$16 - 11 = 5$
$6 + 10 = 16$	$16 - 10 = 6$
$7 + 9 = 16$	$16 - 9 = 7$
$8 + 8 = 16$	$16 - 8 = 8$
$9 + 7 = 16$	$16 - 7 = 9$
$10 + 6 = 16$	$16 - 6 = 10$
$11 + 5 = 16$	$16 - 5 = 11$
$12 + 4 = 16$	$16 - 4 = 12$
$13 + 3 = 16$	$16 - 3 = 13$
$14 + 2 = 16$	$16 - 2 = 14$
$15 + 1 = 16$	$16 - 1 = 15$

## Seventeen Family

$0 + 17 = 17$	$17 - 17 = 0$
$1 + 16 = 17$	$17 - 16 = 1$
$2 + 15 = 17$	$17 - 15 = 2$
$3 + 14 = 17$	$17 - 14 = 3$
$4 + 13 = 17$	$17 - 13 = 4$
$5 + 12 = 17$	$17 - 12 = 5$
$6 + 11 = 17$	$17 - 11 = 6$
$7 + 10 = 17$	$17 - 10 = 7$
$8 + 9 = 17$	$17 - 9 = 8$
$9 + 8 = 17$	$17 - 8 = 9$
$10 + 7 = 17$	$17 - 7 = 10$
$11 + 6 = 17$	$17 - 6 = 11$
$12 + 5 = 17$	$17 - 5 = 12$
$13 + 4 = 17$	$17 - 4 = 13$
$14 + 3 = 17$	$17 - 3 = 14$
$15 + 2 = 17$	$17 - 2 = 15$
$16 + 1 = 17$	$17 - 1 = 16$

## Eighteen Family

$0 + 18 = 18$	$18 - 18 = 0$
$1 + 17 = 18$	$18 - 17 = 1$
$2 + 16 = 18$	$18 - 16 = 2$
$3 + 15 = 18$	$18 - 15 = 3$
$4 + 14 = 18$	$18 - 14 = 4$
$5 + 13 = 18$	$18 - 13 = 5$
$6 + 12 = 18$	$18 - 12 = 6$
$7 + 11 = 18$	$18 - 11 = 7$
$8 + 10 = 18$	$18 - 10 = 8$
$9 + 9 = 18$	$18 - 9 = 9$
$10 + 8 = 18$	$18 - 8 = 10$
$11 + 7 = 18$	$18 - 7 = 11$
$12 + 6 = 18$	$18 - 6 = 12$
$13 + 5 = 18$	$18 - 5 = 13$
$14 + 4 = 18$	$18 - 4 = 14$
$15 + 3 = 18$	$18 - 3 = 15$
$16 + 2 = 18$	$18 - 2 = 16$
$17 + 1 = 18$	$18 - 1 = 17$



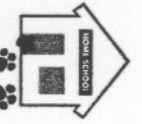
# Mad Dog Math Order Chart

## Second Grade Addition and Subtraction

1. + (0 to 6)
2. - (0 to 6)
3. + (7, 8, 9)
4. - (7, 8, 9)
5. + 10
6. - 10
7. + 11
8. - 11
9. + 12
10. - 12
11. + 13
12. - 13
13. + 14
14. - 14
15. + 15
16. - 15
17. + 16
18. - 16
19. + 17
20. - 17
21. + 18
22. - 18

1. Progress through all drills +(0 to 6) through -18 in 2 minutes.
2. Then go back to +(0 to 6) through -18 in 1 minute.
3. Then go back a third time to +(0 to 6) through -18 in 30 seconds.
4. If time, go back a fourth time in 25 seconds.





# Addition and Subtraction **Mad Dog Math** Progress Chart

Child's Name: \_\_\_\_\_



Drill #	2 min	1 min	30 sec	Drill #	2 min	1 min	30 sec
1. Add 0 to 6	<input type="text"/>	<input type="text"/>	<input type="text"/>	12. Subtract 13	<input type="text"/>	<input type="text"/>	<input type="text"/>
2. Subtract 0 to 6	<input type="text"/>	<input type="text"/>	<input type="text"/>	13. Add 14	<input type="text"/>	<input type="text"/>	<input type="text"/>
3. Add 7, 8, 9	<input type="text"/>	<input type="text"/>	<input type="text"/>	14. Subtract 14	<input type="text"/>	<input type="text"/>	<input type="text"/>
4. Subtract 7, 8, 9	<input type="text"/>	<input type="text"/>	<input type="text"/>	15. Add 15	<input type="text"/>	<input type="text"/>	<input type="text"/>
5. Add 10	<input type="text"/>	<input type="text"/>	<input type="text"/>	16. Subtract 15	<input type="text"/>	<input type="text"/>	<input type="text"/>
6. Subtract 10	<input type="text"/>	<input type="text"/>	<input type="text"/>	17. Add 16	<input type="text"/>	<input type="text"/>	<input type="text"/>
7. Add 11	<input type="text"/>	<input type="text"/>	<input type="text"/>	18. Subtract 16	<input type="text"/>	<input type="text"/>	<input type="text"/>
8. Subtract 11	<input type="text"/>	<input type="text"/>	<input type="text"/>	19. Add 17	<input type="text"/>	<input type="text"/>	<input type="text"/>
9. Add 12	<input type="text"/>	<input type="text"/>	<input type="text"/>	20. Subtract 17	<input type="text"/>	<input type="text"/>	<input type="text"/>
10. Subtract 12	<input type="text"/>	<input type="text"/>	<input type="text"/>	21. Add 18	<input type="text"/>	<input type="text"/>	<input type="text"/>
11. Add 13	<input type="text"/>	<input type="text"/>	<input type="text"/>	22. Subtract 18	<input type="text"/>	<input type="text"/>	<input type="text"/>

NOTE: Make a copy for each child. Put a happy face, sticker or just color in to show progress.