

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

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

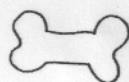


Mad Dog Math Order Poster

First Grade Addition And Subtraction

- | | |
|-----------------|------------------|
| 1. + (0 to 3) | 29. + (8 to 11) |
| 2. - (0 to 3) | 30. - (8 to 11) |
| 3. + (1 to 4) | 31. + (6 to 11) |
| 4. - (1 to 4) | 32. - (6 to 11) |
| 5. + (2 to 5) | 33. + (10 to 12) |
| 6. - (2 to 5) | 34. - (10 to 12) |
| 7. + (3 to 6) | 35. + (11 to 13) |
| 8. - (3 to 6) | 36. - (11 to 13) |
| 9. + (0 to 6) | 37. + (10 to 13) |
| 10. - (0 to 6) | 38. - (10 to 13) |
| 11. + (4 to 6) | 39. + (12 to 14) |
| 12. - (4 to 6) | 40. - (12 to 14) |
| 13. + (5 to 7) | 41. + (13 to 15) |
| 14. - (5 to 7) | 42. - (13 to 15) |
| 15. + (4 to 7) | 43. + (12 to 15) |
| 16. - (4 to 7) | 44. - (12 to 15) |
| 17. + (0 to 7) | 45. + (10 to 15) |
| 18. - (0 to 7) | 46. - (10 to 15) |
| 19. + (6 to 8) | 47. + (14 to 16) |
| 20. - (6 to 8) | 48. - (14 to 16) |
| 21. + (7 to 9) | 49. + (15 to 17) |
| 22. - (7 to 9) | 50. - (15 to 17) |
| 23. + (6 to 9) | 51. + (16 to 18) |
| 24. - (6 to 9) | 52. - (16 to 18) |
| 25. + (8 to 10) | 53. + (14 to 18) |
| 26. - (8 to 10) | 54. - (14 to 18) |
| 27. + (9 to 11) | 55. + (12 to 18) |
| 28. - (9 to 11) | 56. - (12 to 18) |

1. Progress through all drills +(0 to 3) through -(12 to 18) in 2 minutes.
2. Then go back to +(0 to 3) through -(12 to 18) in 1 minute.
3. Then go back a third time to +(0 to 3) through -(12 to 18) in 30 seconds.





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

2 Minute Timing

Child's Name: _____

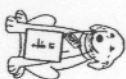


Drill #	Drill #	Drill #	Drill #
☐ 1. Add 0 to 3	☐ 15. Add 4 to 7	☐ 29. Add 8 to 11	☐ 43. Add 12 to 15
☐ 2. Subtract 0 to 3	☐ 16. Subtract 4 to 7	☐ 30. Subtract 8 to 11	☐ 44. Subtract 12 to 15
☐ 3. Add 1 to 4	☐ 17. Add 0 to 7	☐ 31. Add 6 to 11	☐ 45. Add 10 to 15
☐ 4. Subtract 1 to 4	☐ 18. Subtract 0 to 7	☐ 32. Subtract 6 to 11	☐ 46. Subtract 10 to 15
☐ 5. Add 2 to 5	☐ 19. Add 6 to 8	☐ 33. Add 10 to 12	☐ 47. Add 14 to 16
☐ 6. Subtract 2 to 5	☐ 20. Subtract 6 to 8	☐ 34. Subtract 10 to 12	☐ 48. Subtract 14 to 16
☐ 7. Add 3 to 6	☐ 21. Add 7 to 9	☐ 35. Add 11 to 13	☐ 49. Add 15 to 17
☐ 8. Subtract 3 to 6	☐ 22. Subtract 7 to 9	☐ 36. Subtract 11 to 13	☐ 50. Subtract 15 to 17
☐ 9. Add 0 to 6	☐ 23. Add 6 to 9	☐ 37. Add 10 to 13	☐ 51. Add 16 to 18
☐ 10. Subtract 0 to 6	☐ 24. Subtract 6 to 9	☐ 38. Subtract 10 to 13	☐ 52. Subtract 16 to 18
☐ 11. Add 4 to 6	☐ 25. Add 8 to 10	☐ 39. Add 12 to 14	☐ 53. Add 14 to 18
☐ 12. Subtract 4 to 6	☐ 26. Subtract 8 to 10	☐ 40. Subtract 12 to 14	☐ 54. Subtract 14 to 18
☐ 13. Add 5 to 7	☐ 27. Add 9 to 11	☐ 41. Add 13 to 15	☐ 55. Add 12 to 18
☐ 14. Subtract 5 to 7	☐ 28. Subtract 9 to 11	☐ 42. Subtract 13 to 15	☐ 56. Subtract 12 to 18

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



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



1 Minute Timing

Child's Name: _____

Drill #	Drill #	Drill #	Drill #
☐ 1. Add 0 to 3	☐ 15. Add 4 to 7	☐ 29. Add 8 to 11	☐ 43. Add 12 to 15
☐ 2. Subtract 0 to 3	☐ 16. Subtract 4 to 7	☐ 30. Subtract 8 to 11	☐ 44. Subtract 12 to 15
☐ 3. Add 1 to 4	☐ 17. Add 0 to 7	☐ 31. Add 6 to 11	☐ 45. Add 10 to 15
☐ 4. Subtract 1 to 4	☐ 18. Subtract 0 to 7	☐ 32. Subtract 6 to 11	☐ 46. Subtract 10 to 15
☐ 5. Add 2 to 5	☐ 19. Add 6 to 8	☐ 33. Add 10 to 12	☐ 47. Add 14 to 16
☐ 6. Subtract 2 to 5	☐ 20. Subtract 6 to 8	☐ 34. Subtract 10 to 12	☐ 48. Subtract 14 to 16
☐ 7. Add 3 to 6	☐ 21. Add 7 to 9	☐ 35. Add 11 to 13	☐ 49. Add 15 to 17
☐ 8. Subtract 3 to 6	☐ 22. Subtract 7 to 9	☐ 36. Subtract 11 to 13	☐ 50. Subtract 15 to 17
☐ 9. Add 0 to 6	☐ 23. Add 6 to 9	☐ 37. Add 10 to 13	☐ 51. Add 16 to 18
☐ 10. Subtract 0 to 6	☐ 24. Subtract 6 to 9	☐ 38. Subtract 10 to 13	☐ 52. Subtract 16 to 18
☐ 11. Add 4 to 6	☐ 25. Add 8 to 10	☐ 39. Add 12 to 14	☐ 53. Add 14 to 18
☐ 12. Subtract 4 to 6	☐ 26. Subtract 8 to 10	☐ 40. Subtract 12 to 14	☐ 54. Subtract 14 to 18
☐ 13. Add 5 to 7	☐ 27. Add 9 to 11	☐ 41. Add 13 to 15	☐ 55. Add 12 to 18
☐ 14. Subtract 5 to 7	☐ 28. Subtract 9 to 11	☐ 42. Subtract 13 to 15	☐ 56. Subtract 12 to 18

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



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

30 Second Timing

Child's Name: _____



Drill #

Drill #

Drill #

Drill #

☐	1. Add 0 to 3	☐	15. Add 4 to 7	☐	29. Add 8 to 11	☐	43. Add 12 to 15
☐	2. Subtract 0 to 3	☐	16. Subtract 4 to 7	☐	30. Subtract 8 to 11	☐	44. Subtract 12 to 15
☐	3. Add 1 to 4	☐	17. Add 0 to 7	☐	31. Add 6 to 11	☐	45. Add 10 to 15
☐	4. Subtract 1 to 4	☐	18. Subtract 0 to 7	☐	32. Subtract 6 to 11	☐	46. Subtract 10 to 15
☐	5. Add 2 to 5	☐	19. Add 6 to 8	☐	33. Add 10 to 12	☐	47. Add 14 to 16
☐	6. Subtract 2 to 5	☐	20. Subtract 6 to 8	☐	34. Subtract 10 to 12	☐	48. Subtract 14 to 16
☐	7. Add 3 to 6	☐	21. Add 7 to 9	☐	35. Add 11 to 13	☐	49. Add 15 to 17
☐	8. Subtract 3 to 6	☐	22. Subtract 7 to 9	☐	36. Subtract 11 to 13	☐	50. Subtract 15 to 17
☐	9. Add 0 to 6	☐	23. Add 6 to 9	☐	37. Add 10 to 13	☐	51. Add 16 to 18
☐	10. Subtract 0 to 6	☐	24. Subtract 6 to 9	☐	38. Subtract 10 to 13	☐	52. Subtract 16 to 18
☐	11. Add 4 to 6	☐	25. Add 8 to 10	☐	39. Add 12 to 14	☐	53. Add 14 to 18
☐	12. Subtract 4 to 6	☐	26. Subtract 8 to 10	☐	40. Subtract 12 to 14	☐	54. Subtract 14 to 18
☐	13. Add 5 to 7	☐	27. Add 9 to 11	☐	41. Add 13 to 15	☐	55. Add 12 to 18
☐	14. Subtract 5 to 7	☐	28. Subtract 9 to 11	☐	42. Subtract 13 to 15	☐	56. Subtract 12 to 18

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