

# 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

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



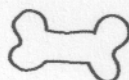
## Puppy Dog Math Order Chart

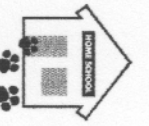
### Kindergarten + and -

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

1. Progress through all drills in 2 minutes.
2. Then go back to the beginning and go through them all again in 1 minute.
3. Then go back a third time in 30 seconds.

**NOTE:** Adjust times to meet your child's needs.





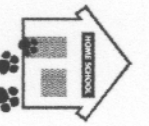
# Addition Puppy Dog Math Progress Chart



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

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



# Subtraction **Puppy Dog Math** Progress Chart



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

Drill #	2 min	1 min	30 sec	Drill #	2 min	1 min	30 sec
1. Sub 0 to 3	<input type="text"/>	<input type="text"/>	<input type="text"/>	10. Sub 6 to 8	<input type="text"/>	<input type="text"/>	<input type="text"/>
2. Sub 1 to 4	<input type="text"/>	<input type="text"/>	<input type="text"/>	11. Sub 7 to 9	<input type="text"/>	<input type="text"/>	<input type="text"/>
3. Sub 2 to 5	<input type="text"/>	<input type="text"/>	<input type="text"/>	12. Sub 6 to 9	<input type="text"/>	<input type="text"/>	<input type="text"/>
4. Sub 3 to 6	<input type="text"/>	<input type="text"/>	<input type="text"/>	13. Sub 8 to 10	<input type="text"/>	<input type="text"/>	<input type="text"/>
5. Sub 0 to 6	<input type="text"/>	<input type="text"/>	<input type="text"/>	14. Sub 9 to 11	<input type="text"/>	<input type="text"/>	<input type="text"/>
6. Sub 4 to 6	<input type="text"/>	<input type="text"/>	<input type="text"/>	15. Sub 8 to 11	<input type="text"/>	<input type="text"/>	<input type="text"/>
7. Sub 5 to 7	<input type="text"/>	<input type="text"/>	<input type="text"/>	16. Sub 6 to 11	<input type="text"/>	<input type="text"/>	<input type="text"/>
8. Sub 4 to 7	<input type="text"/>	<input type="text"/>	<input type="text"/>	17. Sub 10 to 12	<input type="text"/>	<input type="text"/>	<input type="text"/>
9. Sub 0 to 7	<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.