Simple Ways to Teach Your Child Math Facts

Blessed Beyond a Doubt

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sharing tips and resources for the busy educator

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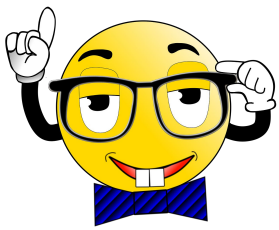
Jill and the team

Addition + Subtraction Math Facts



Why learn math facts?

Math facts are the basic number combinations for addition, subtraction, multiplication, and division.

"Phonics for Math"

Addition Math Facts: plus, sum, total (+)

- Any number plus 0 is the same number (4+0=4)
- Any number plus 1 is 1 more than the number (2+1=3)
- Any number (1-9) plus 10, add a 1 in front of the number (2+10=12)
- Any number plus 9, add 10 and subtract 1 (2+9=11)
  - 2+10=12 and 12-1=11
- Any number plus itself doubles that number (3+3=6)
- The order of the numbers does not matter (4+5=9 and 5+4=9)

Subtraction Math Facts: minus, difference (-)

- Any number minus 0 is the same number (4-0=4)
- Any number minus itself is 0 (3-3=0)
- Any number minus 1 is 1 less than the number
- The order of the numbers does matter (7-3=4 while 3-7=-4)

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Addition Chart

Do you notice a pattern?

+	0	1	2	3	4	5	6	7	8	9	10
0	0	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10	11
2	2	3	4	5	6	7	8	9	10	11	12
3	3	4	5	6	7	8	9	10	11	12	13
4	4	5	6	7	8	9	10	11	12	13	14
5	5	6	7	8	9	10	11	12	13	14	15
6	6	7	8	9	10	11	12	13	14	15	16
7	7	8	9	10	11	12	13	14	15	16	17
8	8	9	10	11	12	13	14	15	16	17	18
9	9	10	11	12	13	14	15	16	17	18	19
10	10	11	12	13	14	15	16	17	18	19	20

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Multiplication + Division Math Facts

Multiplication Math Facts: times, product (x)

- Any number times 0 is 0 (4x0=0)
- Any number times 1 is the same number (3x1=3)
- Any number times 2 doubles the number (5x2=10)
- Any even number times 5 always ends in a 0 (5x4=20)
- Any odd number times 5 always ends in a 5 (5x3=15)
- Any number times 10 is the number with a 0 added to it (2x10=20)
- The order of the numbers does not matter (2x3=6 and 3x2=6)
- When multiplying it is like adding the first number together the number of times determined by the second number
    - 5x3 = 3+3+3+3+3 = 15 (added 3 to itself 5 times)

Division Math Facts: product, divided by, quotient (/ or ÷)

- You cannot divide a number by 0 (it is undefined)
- When dividing, you divide the the first number by the second number
    - 6÷3=2 (divide 6 by 3 to get 2)
- Any number divided by 1 is the same number (6/1=6)
- Any number divided by 2 is half the number (6÷2=3)
- Any number divided by itself is 1 (4/4=1)
- The order of the numbers does matter (8÷4=2 but 4÷8=½)

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Multiplication Chart

Do you notice a pattern?

+	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

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Multiplication Tricks

When multiplying:

- Practice doubling and skip count 2 facts:
  - 2x2=4 skip count 2 → 4
  - 3x2=6 skip count 2 → 4 → 6
  - 4x2=8 skip count 2 → 4 → 6 → 8
  - 5x2=10 skip count 2 → 4 → 6 → 8 → 10
- Skip count 5 facts
  - 5x2 = 5 → 10
  - 5x3 = 5 → 10 → 15
- Multiplying an odd number by 5 → 5x7=35, which is actually 7 minus 1 (6), cut in half (3) with a 5 on the end (35)
- Multiplying by 9
  - The numbers in the product always add to 9
    - 9x2=18 → 1+8=9
    - 9x3=27 → 2+7=9
  - 9x1 → 9x5 versus 9x6 → 9x10 (see next page)

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Multiplying By 9

When multiplying by 9 → 9x1 → 9x5 versus 9x6 → 9x10

9 x 1 = 09
9 x 2 = 18
9 x 3 = 27
9 x 4 = 36
9 x 5 = 45
9 x 6 = 54
9 x 7 = 63
9 x 8 = 72
9 x 9 = 81
9 x 10 = 90

What do you notice about the sequence of the products?

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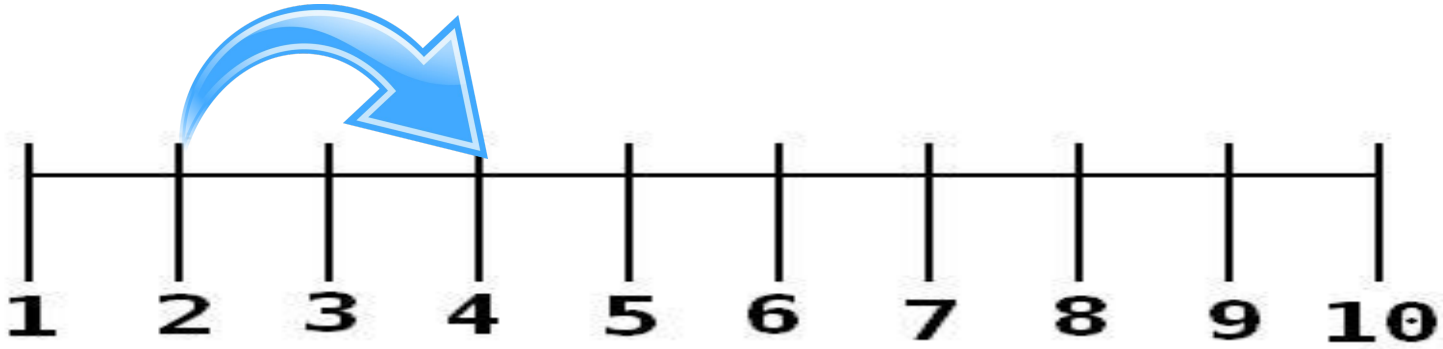
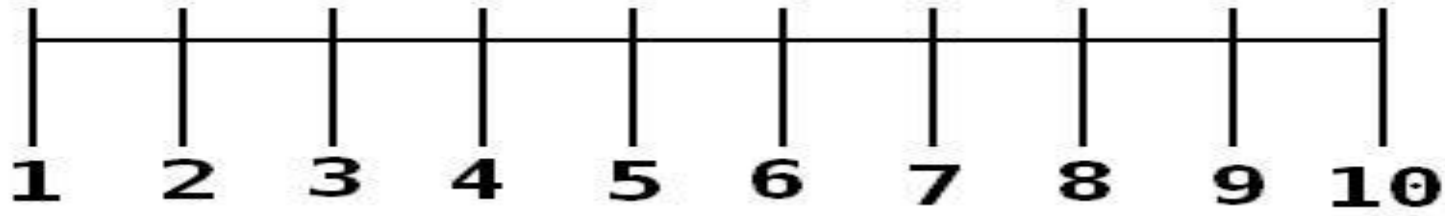
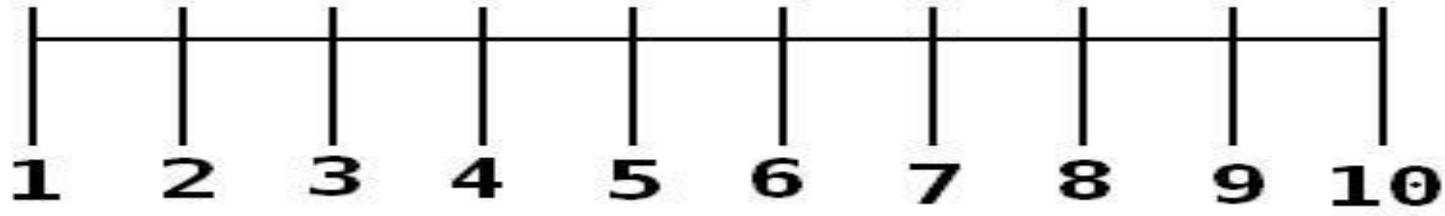
Number Lines

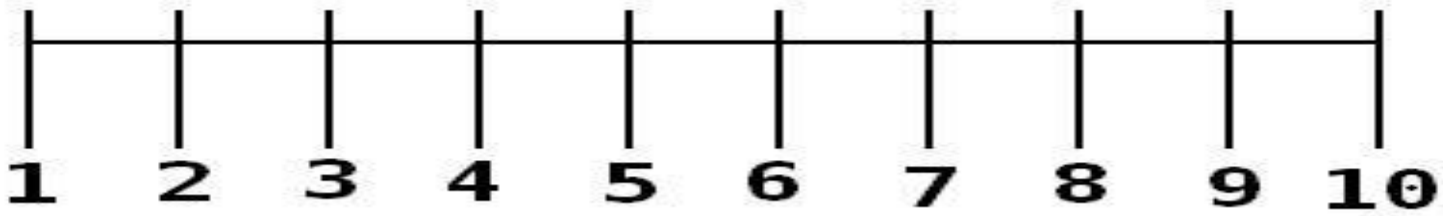
Number lines are very useful when working on math facts and skip counting. Use these number lines to practice skip counting by 2, 3, and 5. Draw arrows between numbers.

Example: Skip counting by 2









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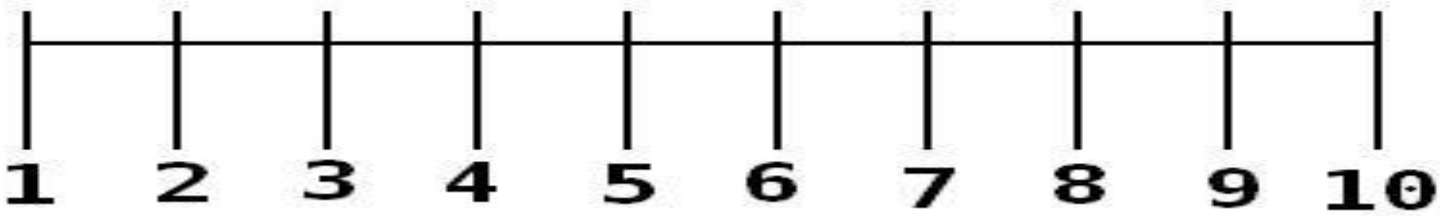
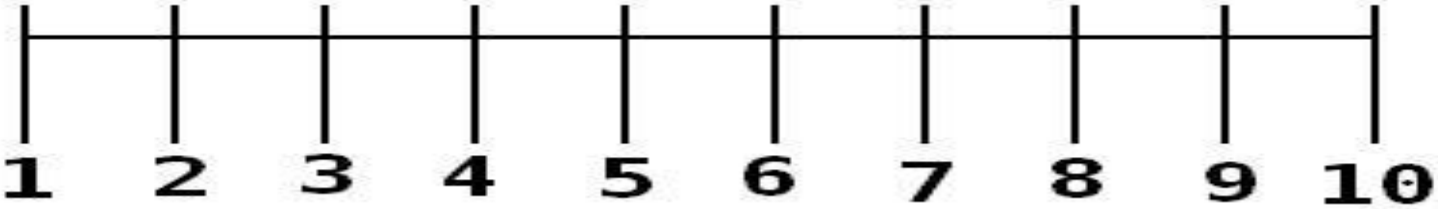
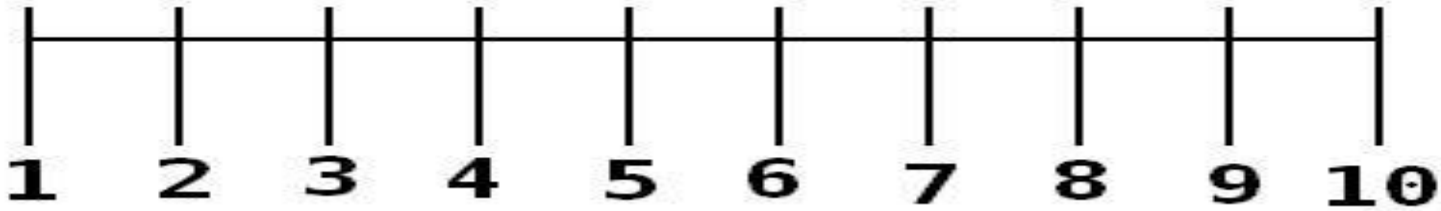
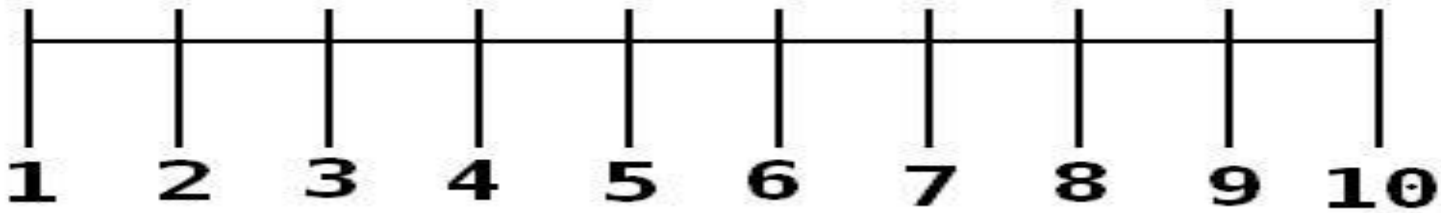
Number Lines

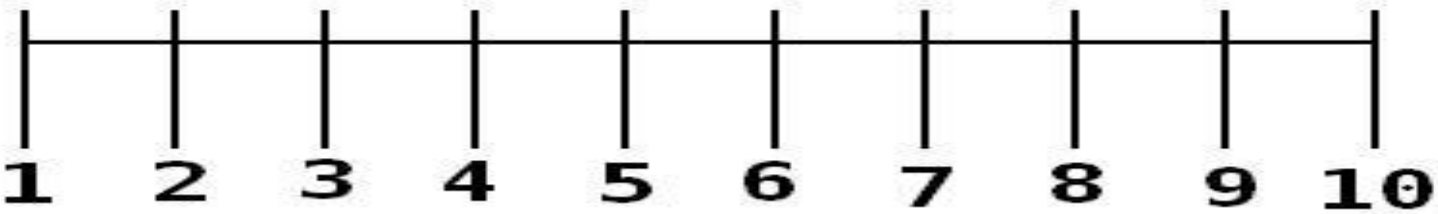
Use these number lines to help you practice your math facts!











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Addition Practice

5 + 3	6 + 1	2 + 2	7 + 3	3 + 4
4 + 6	2 + 3	3 + 3	6 + 2	1 + 3
8 + 2	3 + 7	4 + 5	1 + 6	5 + 4
6 + 3	6 + 0	2 + 6	7 + 1	4 + 4

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Subtraction Practice

5 - 3	6 - 1	2 - 2	7 - 3	4 - 3
6 - 4	3 - 1	9 - 2	10 - 8	5 - 4
10 - 5	7 - 4	8 - 5	8 - 2	9 - 6
6 - 6	8 - 0	7 - 5	10 - 3	9 - 5

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Multiplication Practice

5 x 3	6 x 1	2 x 2	6 x 3	4 x 3
5 x 1	6 x 4	9 x 9	10 x 8	5 x 4
7 x 6	2 x 6	8 x 5	3 x 3	9 x 6
10 x 0	8 x 10	7 x 5	5 x 2	9 x 3

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Division Practice

15 ÷ 3	7 ÷ 1	2 ÷ 0	8 ÷ 2	9 ÷ 3
16 ÷ 4	27 ÷ 9	63 ÷ 7	100 ÷ 10	35 ÷ 7
10 ÷ 5	20 ÷ 2	18 ÷ 9	8 ÷ 4	6 ÷ 6
6 ÷ 3	12 ÷ 3	21 ÷ 3	32 ÷ 8	16 ÷ 8

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