

Dr. Benkő Attila

Elementary Mathematics Workbook from Grade 1 to Grade 4



Basic Math Exercises for Addition, Subtraction, Multiplication
and Division with Rules, Examples and Solutions

 Publio

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Dr. Benkó Attila

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Foreword: Rules

Counting from zero to ten:

= 0 (zero)

 = 1 (one)

 = 2 (two)

 = 3 (three)

 = 4 (four)

 = 5 (five)

 = 6 (six)

 = 7 (seven)

 = 8 (eight)

 = 9 (nine)

 = 10 (ten)

● Addition: +

JJJ + JJ = JJJ JJ

3 + 2 = 5

● Subtraction: -

JJJ - JJ = J

3 - 2 = 1

● Multiplication: *

$$JJJ * JJ = JJJ JJJ$$

$$3 * 2 = 6$$

● Division: /

$$JJJ JJJ / JJ = JJJ$$

$$6 / 2 = 3$$

Some of the rules for addition (+), subtraction (-), multiplication (*) and division (/):

$$0 + 0 = 0$$

$$0 + 1 = 1$$

$$0 + 2 = 2$$

$$0 + 3 = 3$$

$$0 + 4 = 4$$

$$0 + 5 = 5$$

$$0 + 6 = 6$$

$$0 + 7 = 7$$

$$0 + 8 = 8$$

$$0 + 9 = 9$$

$$0 + 10 = 10$$

$$1 + 0 = 1$$

$$1 + 1 = 2$$

$$1 + 2 = 3$$

$$1 + 3 = 4$$

$$1 + 4 = 5$$

$$1 + 5 = 6$$

$$1 + 6 = 7$$

$$1 + 7 = 8$$

$1 + 8 = 9$

$1 + 9 = 10$

$1 + 10 = 11$

$2 + 0 = 2$

$2 + 1 = 3$

$2 + 2 = 4$

$2 + 3 = 5$

$2 + 4 = 6$

$2 + 5 = 7$

$2 + 6 = 8$

$2 + 7 = 9$

$2 + 8 = 10$

$2 + 9 = 11$

$2 + 10 = 12$

$3 + 0 = 3$

$3 + 1 = 4$

$3 + 2 = 5$

$3 + 3 = 6$

$3 + 4 = 7$

$3 + 5 = 8$

$3 + 6 = 9$

$3 + 7 = 10$

$3 + 8 = 11$

$3 + 9 = 12$

$3 + 10 = 13$

$4 + 0 = 4$

$4 + 1 = 5$

$4 + 2 = 6$

$4 + 3 = 7$

$4 + 4 = 8$

$4 + 5 = 9$

$4 + 6 = 10$

$4 + 7 = 11$

$4 + 8 = 12$

$4 + 9 = 13$

$4 + 10 = 14$

$5 + 0 = 5$

$5 + 1 = 6$

$5 + 2 = 7$

$5 + 3 = 8$

$5 + 4 = 9$

$5 + 5 = 10$

$5 + 6 = 11$

$5 + 7 = 12$

$5 + 8 = 13$

$5 + 9 = 14$

$5 + 10 = 15$

$6 + 0 = 6$

$6 + 1 = 7$

$6 + 2 = 8$

$6 + 3 = 9$

$6 + 4 = 10$

$6 + 5 = 11$

$6 + 6 = 12$

$6 + 7 = 13$

$6 + 8 = 14$

$$6 + 9 = 15$$

$$6 + 10 = 16$$

$$7 + 0 = 7$$

$$7 + 1 = 8$$

$$7 + 2 = 9$$

$$7 + 3 = 10$$

$$7 + 4 = 11$$

$$7 + 5 = 12$$

$$7 + 6 = 13$$

$$7 + 7 = 14$$

$$7 + 8 = 15$$

$$7 + 9 = 16$$

$$7 + 10 = 17$$

$$8 + 0 = 8$$

$$8 + 1 = 9$$

$$8 + 2 = 10$$

$$8 + 3 = 11$$

$$8 + 4 = 12$$

$$8 + 5 = 13$$

$$8 + 6 = 14$$

$$8 + 7 = 15$$

$$8 + 8 = 16$$

$$8 + 9 = 17$$

$$8 + 10 = 18$$

$$9 + 0 = 9$$

$$9 + 1 = 10$$

$$9 + 2 = 11$$

$$9 + 3 = 12$$

$$9 + 4 = 13$$

$$9 + 5 = 14$$

$$9 + 6 = 15$$

$$9 + 7 = 16$$

$$9 + 8 = 17$$

$$9 + 9 = 18$$

$$9 + 10 = 19$$

$$10 + 0 = 10$$

$$10 + 1 = 11$$

$$10 + 2 = 12$$

$$10 + 3 = 13$$

$$10 + 4 = 14$$

$$10 + 5 = 15$$

$$10 + 6 = 16$$

$$10 + 7 = 17$$

$$10 + 8 = 18$$

$$10 + 9 = 19$$

$$10 + 10 = 20$$

$$0 - 0 = 0$$

$$0 - 1 = -1$$

$$0 - 2 = -2$$

$$0 - 3 = -3$$

$$0 - 4 = -4$$

$$0 - 5 = -5$$

$$0 - 6 = -6$$

$$0 - 7 = -7$$

$$0 - 8 = -8$$

$$0 - 9 = -9$$

$$0 - 10 = -10$$

$$1 - 0 = 1$$

$$1 - 1 = 0$$

$$1 - 2 = -1$$

$$1 - 3 = -2$$

$$1 - 4 = -3$$

$$1 - 5 = -4$$

$$1 - 6 = -5$$

$$1 - 7 = -6$$

$$1 - 8 = -7$$

$$1 - 9 = -8$$

$$1 - 10 = -9$$

$$2 - 0 = 2$$

$$2 - 1 = 1$$

$$2 - 2 = 0$$

$$2 - 3 = -1$$

$$2 - 4 = -2$$

$$2 - 5 = -3$$

$$2 - 6 = -4$$

$$2 - 7 = -5$$

$$2 - 8 = -6$$

$$2 - 9 = -7$$

$$2 - 10 = -8$$

$$3 - 0 = 3$$

$$3 - 1 = 2$$

$$3 - 2 = 1$$

$$3 - 3 = 0$$

$$3 - 4 = -1$$

$$3 - 5 = -2$$

$$3 - 6 = -3$$

$$3 - 7 = -4$$

$$3 - 8 = -5$$

$$3 - 9 = -6$$

$$3 - 10 = -7$$

$$4 - 0 = 4$$

$$4 - 1 = 3$$

$$4 - 2 = 2$$

$$4 - 3 = 1$$

$$4 - 4 = 0$$

$$4 - 5 = -1$$

$$4 - 6 = -2$$

$$4 - 7 = -3$$

$$4 - 8 = -4$$

$$4 - 9 = -5$$

$$4 - 10 = -6$$

$$5 - 0 = 5$$

$$5 - 1 = 4$$

$$5 - 2 = 3$$

$$5 - 3 = 2$$

$$5 - 4 = 1$$

$$5 - 5 = 0$$

$$5 - 6 = -1$$

$$5 - 7 = -2$$

$$5 - 8 = -3$$

$$5 - 9 = -4$$

$$5 - 10 = -5$$

$$6 - 0 = 6$$

$$6 - 1 = 5$$

$$6 - 2 = 4$$

$$6 - 3 = 3$$

$$6 - 4 = 2$$

$$6 - 5 = 1$$

$$6 - 6 = 0$$

$$6 - 7 = -1$$

$$6 - 8 = -2$$

$$6 - 9 = -3$$

$$6 - 10 = -4$$

$$7 - 0 = 7$$

$$7 - 1 = 6$$

$$7 - 2 = 5$$

$$7 - 3 = 4$$

$$7 - 4 = 3$$

$$7 - 5 = 2$$

$$7 - 6 = 1$$

$$7 - 7 = 0$$

$$7 - 8 = -1$$

$$7 - 9 = -2$$

$$7 - 10 = -3$$

$$8 - 0 = 8$$

$$8 - 1 = 7$$

$$8 - 2 = 6$$

$$8 - 3 = 5$$

$$8 - 4 = 4$$

$$8 - 5 = 3$$

$$8 - 6 = 2$$

$$8 - 7 = 1$$

$$8 - 8 = 0$$

$$8 - 9 = -1$$

$$8 - 10 = -2$$

$$9 - 0 = 9$$

$$9 - 1 = 8$$

$$9 - 2 = 7$$

$$9 - 3 = 6$$

$$9 - 4 = 5$$

$$9 - 5 = 4$$

$$9 - 6 = 3$$

$$9 - 7 = 2$$

$$9 - 8 = 1$$

$$9 - 9 = 0$$

$$9 - 10 = -1$$

$$10 - 0 = 10$$

$$10 - 1 = 9$$

$$10 - 2 = 8$$

$$10 - 3 = 7$$

$$10 - 4 = 6$$

$$10 - 5 = 5$$

$$10 - 6 = 4$$

$$10 - 7 = 3$$

$$10 - 8 = 2$$

$$10 - 9 = 1$$

$$10 - 10 = 0$$

$$0 * 0 = 0$$

$$0 * 1 = 0$$

$$0 * 2 = 0$$

$$0 * 3 = 0$$

$$0 * 4 = 0$$

$$0 * 5 = 0$$

$$0 * 6 = 0$$

$$0 * 7 = 0$$

$$0 * 8 = 0$$

$$0 * 9 = 0$$

$$0 * 10 = 0$$

$$1 * 0 = 0$$

$$1 * 1 = 1$$

$$1 * 2 = 2$$

$$1 * 3 = 3$$

$$1 * 4 = 4$$

$$1 * 5 = 5$$

$$1 * 6 = 6$$

$$1 * 7 = 7$$

$$1 * 8 = 8$$

$$1 * 9 = 9$$

$$1 * 10 = 10$$

$$2 * 0 = 0$$

$$2 * 1 = 2$$

$$2 * 2 = 4$$

$$2 * 3 = 6$$

$$2 * 4 = 8$$

$$2 * 5 = 10$$

$$2 * 6 = 12$$

$$2 * 7 = 14$$

$$2 * 8 = 16$$

$$2 * 9 = 18$$

$$2 * 10 = 20$$

$$3 * 0 = 0$$

$$3 * 1 = 3$$

$$3 * 2 = 6$$

$$3 * 3 = 9$$

$$3 * 4 = 12$$

$$3 * 5 = 15$$

$$3 * 6 = 18$$

$$3 * 7 = 21$$

$$3 * 8 = 24$$

$$3 * 9 = 27$$

$$3 * 10 = 30$$

$$4 * 0 = 0$$

$$4 * 1 = 4$$

$$4 * 2 = 8$$

$$4 * 3 = 12$$

$$4 * 4 = 16$$

$$4 * 5 = 20$$

$$4 * 6 = 24$$

$$4 * 7 = 28$$

$$4 * 8 = 32$$

$$4 * 9 = 36$$

$$4 * 10 = 40$$

$$5 * 0 = 0$$

$$5 * 1 = 5$$

$$5 * 2 = 10$$

$$5 * 3 = 15$$

$$5 * 4 = 20$$

$$5 * 5 = 25$$

$$5 * 6 = 30$$

$$5 * 7 = 35$$

$$5 * 8 = 40$$

$$5 * 9 = 45$$

$$5 * 10 = 50$$

$$6 * 0 = 0$$

$$6 * 1 = 6$$

$$6 * 2 = 12$$

$$6 * 3 = 18$$

$$6 * 4 = 24$$

$$6 * 5 = 30$$

$$6 * 6 = 36$$

$$6 * 7 = 42$$

$$6 * 8 = 48$$

$$6 * 9 = 54$$

$$6 * 10 = 60$$

$$7 * 0 = 0$$

$$7 * 1 = 7$$

$$7 * 2 = 14$$

$$7 * 3 = 21$$

$$7 * 4 = 28$$

$$7 * 5 = 35$$

$$7 * 6 = 42$$

$$7 * 7 = 49$$

$$7 * 8 = 56$$

$$7 * 9 = 63$$

$$7 * 10 = 70$$

$$8 * 0 = 0$$

$$8 * 1 = 8$$

$$8 * 2 = 16$$

$$8 * 3 = 24$$

$$8 * 4 = 32$$

$$8 * 5 = 40$$

$$8 * 6 = 48$$

$$8 * 7 = 56$$

$$8 * 8 = 64$$

$$8 * 9 = 72$$

$$8 * 10 = 80$$

$$9 * 0 = 0$$

$$9 * 1 = 9$$

$$9 * 2 = 18$$

$$9 * 3 = 27$$

$$9 * 4 = 36$$

$$9 * 5 = 45$$

$$9 * 6 = 54$$

$$9 * 7 = 63$$

$$9 * 8 = 72$$

$$9 * 9 = 81$$

$$9 * 10 = 90$$

$$10 * 0 = 0$$

$$10 * 1 = 10$$

$$10 * 2 = 20$$

$$10 * 3 = 30$$

$$10 * 4 = 40$$

$$10 * 5 = 50$$

$$10 * 6 = 60$$

$$10 * 7 = 70$$

$$10 * 8 = 80$$

$$10 * 9 = 90$$

$$10 * 10 = 100$$

$$0 / 0 = \text{undefined}$$

$$1 / 0 = \text{undefined}$$

$$2 / 0 = \text{undefined}$$

$$3 / 0 = \text{undefined}$$

$$4 / 0 = \text{undefined}$$

$$5 / 0 = \text{undefined}$$

$$6 / 0 = \text{undefined}$$

$$7 / 0 = \text{undefined}$$

$$8 / 0 = \text{undefined}$$

$$9 / 0 = \text{undefined}$$

$$10 / 0 = \text{undefined}$$

$$0 / 1 = 0$$

$$0 / 2 = 0$$

$$0 / 3 = 0$$

$$0 / 4 = 0$$

$$0 / 5 = 0$$

$$0 / 6 = 0$$

$$0 / 7 = 0$$

$$0 / 8 = 0$$

$$0 / 9 = 0$$

$$0 / 10 = 0$$

$$1 / 1 = 1$$

$$2 / 2 = 1$$

$$3 / 3 = 1$$

$$4 / 4 = 1$$

$$5 / 5 = 1$$

$$6 / 6 = 1$$

$$7 / 7 = 1$$

$$8 / 8 = 1$$

$$9 / 9 = 1$$

$$10 / 10 = 1$$

$$2 / 1 = 2$$