

BYOM Syllabus 5th Grade			
Lesson #	Topic		Hours
	<b>Unit 1. Math language</b>		<b>21</b>
1-3	1	Writing, reading and composing expressions.	3
	2	Writing, reading and composing expressions.	
	3	Writing, reading and composing expressions.	
4-6	4	The value of the expression.	3
	5	The value of the expression.	
	6	The value of the expression.	
7-9	7	Translation of the problem statement into math language.	3
	8	Translation of the problem statement into math language.	
	9	Translation of the problem statement into math language.	
10-11	10	Working with math models.	2
	11	Working with math models.	
12	12	Trial and error method.	1
13	13	Method of iterating over numbers.	1
14	14	Math statements.	1
15	15	General math statements.	1
16-17	16	At least one.	2
	17	At least one.	
18	18	On the proof of general math statements.	1
19-21	19	Introduction of math notation.	3
	20	Introduction of math notation.	
	21	Introduction of math notation.	
		<b>Unit 2. Math language</b>	<b>24</b>
22-23	22	Factors and Multiples.	2
	23	Factors and Multiples.	
24-25	24	Prime and composite numbers.	2
	25	Prime and composite numbers.	
26-27	26	Divisibility for products of numbers.	2
	27	Divisibility for products of numbers.	
28-29	28	Divisibility of the sums and differences of numbers.	2
	29	Divisibility of the sums and differences of numbers.	
30-31	30	Divisibility rules by 10, by 2, by 5.	2
	31	Divisibility rules by 10, by 2, by 5.	
	32	Divisibility rules by 3 and 9.	2

32-33	33	Divisibility rules by 3 and 9.	
34-35	34	Decomposition of numbers into prime factors.	2
	35	Decomposition of numbers into prime factors.	
36-37	36	Greatest common divisor/factor.	2
	37	Greatest common divisor/factor.	
38-39	38	Least common multiple.	2
	39	Least common multiple.	
40-41	40	Exponents.	2
	41	Exponents.	
42	42	Additional properties of multiplication and division.	1
43	43	Equivalence of sentences.	1
44-45	44	Mathematical definition.	2
	45	Mathematical definition.	
		<b>Unit 3. Fractions.</b>	<b>29</b>
46-48	46	Natural numbers and fractions.	3
	47	Natural numbers and fractions.	
	48	Natural numbers and fractions.	
49-52	49	The main property of a fraction.	4
	50	The main property of a fraction.	
	51	The main property of a fraction.	
	52	The main property of a fraction.	
53-54	53	Comparison of fractions.	2
	54	Comparison of fractions.	
55-57	55	Addition and subtraction of fractions.	3
	56	Addition and subtraction of fractions.	
	57	Addition and subtraction of fractions.	
58-60	58	Addition and subtraction of mixed numbers.	3
	59	Addition and subtraction of mixed numbers.	
	60	Addition and subtraction of mixed numbers.	
61-63	61	Multiplication of fractions. Multiplication of mixed numbers.	3
	62	Multiplication of fractions. Multiplication of mixed numbers.	
	63	Multiplication of fractions. Multiplication of mixed numbers.	
64-67	64	Division of fractions.	4
	65	Division of fractions.	
	66	Division of fractions.	
	67	Division of fractions.	
68-69	68	Examples of calculations with fractions.	2
	69	Examples of calculations with fractions.	

70-71	70	Fraction problems.	2
	71	Fraction problems.	
72-74	72	Compound problems for fractions.	3
	73	Compound problems for fractions.	
	74	Compound problems for fractions.	
		<b>Unit 4. Decimal fractions.</b>	<b>26</b>
75-76	75	Decimal notation of the number.	2
	76	Decimal notation of the number.	
77-78	77	Decimals and fractions.	2
	78	Decimals and fractions.	
79-81	79	Approximate equalities. Rounding numbers.	3
	80	Approximate equalities. Rounding numbers.	
	81	Approximate equalities. Rounding numbers.	
82-84	82	Comparison of decimal fractions.	3
	83	Comparison of decimal fractions.	
	84	Comparison of decimal fractions.	
85-88	85	Addition and subtraction of decimal fractions.	4
	86	Addition and subtraction of decimal fractions.	
	87	Addition and subtraction of decimal fractions.	
	88	Addition and subtraction of decimal fractions.	
89-91	89	Multiplication and division of decimal fractions by 10, 100, 1000, etc.	3
	90	Multiplication and division of decimal fractions by 10, 100, 1000, etc.	
	91	Multiplication and division of decimal fractions by 10, 100, 1000, etc.	
92-95	92	Decimal multiplication.	4
	93	Decimal multiplication.	
	94	Decimal multiplication.	
	95	Decimal multiplication.	
96-99	96	Division of decimal fractions.	4
	97	Division of decimal fractions.	
	98	Division of decimal fractions.	
	99	Division of decimal fractions.	
100	100	Multiplication and division of decimal fractions by 0, 1; 0.01; 0.001, etc.	1

Total: 100 h = 100 lessons.