

MATHEMATICS WITHOUT BORDERS – SEMIFINAL 2026

ANSWER KEY – AGE GROUPS 1-4

Age Group Problem	1	2	3	4
1	30	1	29	927
2	1	57	0	2000
3	1	24	45	7
4	12	2	Влад	9990
5	2	30	12:00	22
6	3	18	10	12
7	4	0	∴; +; =	16 110
8	1	14	35	8
9	1	6	38	10
10	13	34	7	2;6
11	6	4	13	20
12	5	8	42	30
13	20	четвъртък	51	40
14	24	15	10	60
15	23	3	44	40
16	36	2	30	111
17	17	4	6	2135
18	17	63	17	2
19	16	7	4	9117
20	15	45	44	36

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ANSWER KEY – AGE GROUPS 5-9

Age Group Problem	5	6	7	8	9
1	48	5	-4984	1	0
2	0	47 51	7	54	991
3	2	-49	6	3	199
4	6	-10	-15	110	5
5	1	2	5	1	1
6	4	-15	-1017; -2029	∅	2
7	9,9	-2	6	8	0
8	16	7	26	5	-1
9	114	-2026	1	2	2
10	4200	711	6	-2	-6
11	8	2	34	$8\sqrt{2}$	30
12	5	1	60	$4\sqrt{10}$	$\frac{\pi t^2}{8}$
13	40	8	60	4	9
14	22,5	(-1; -1)	8	$28\sqrt{2}$	5
15	38	$\frac{7}{9}$	4	5	0,2; 0,4
16	390	-4	-2890	6	$\frac{-6\sqrt[3]{9} - 12\sqrt[3]{3} - 9}{5}$
17	1,5	-406	1	2	120
18	1	4 или 5	30	57	8
19	2	126	$-\frac{1}{3}$	-1	$\frac{373}{324}$
20	2	$\frac{1}{60}$	4	2	-20