

MATHEMATICS WITHOUT BORDERS - WINTER 2019

ANSWER KEY – AGE GROUPS 5-9

Age Group Problem	5	6	7	8	9
1	144	5	8	2	$\sqrt{3}$
2	28	62.5	4	5	0
3	12	44	55	780	- 3
4	13	1/6	4/15	-29	23
5	3	18	6	355888999	355888999
6	5	29	$2x^2 - x$	0	- 54
7	2	Tuesday	Tuesday	Tuesday	4, 6 and 7
8	215	333	12	1	1
9	55	-7	1/3	5	5
10	2	38	76	$4 + 2\sqrt{3}$	$7 + 4\sqrt{3}$
11	288	54	170	7	$2\sqrt{2}$
12	10	10	80	80	15
13	10.8	176	176	150	4
14	3	72	7	7 or 10	30
15	0.125	2; 3; 4	2; 3; 4	216	4
16	12	6	6	103 or 1	246
17	11	300	1	1	1
18	4	41	7	3	1
19	90	4	1	4	72
20	14	12	16	16	4