

**THE SUBGROUP LATTICE OF  $PGL_2(17) \cong L_2(17) : 2$**

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups
1	$L_2(17) : 2$	4896	1	2, 3 (18), 6 (136), 8 (153)	
2	$L_2(17)$	2448	1	4 (18), 9 (204), 10 (136), 14 (153)	1
3	$D_{34} \cdot 2 \cdot 2 \cdot 2$	272	18	4, 15 (17)	1
4	$D_{34} \cdot 2 \cdot 2$	136	18	5, 20 (17)	2, 3
5	$D_{34} \cdot 2$	68	18	7, 26 (17)	4
6	$D_{36}$	36	136	11, 12, 10, 17 (3)	1
7	$D_{34}$	34	18	13, 30 (17)	5
8	$D_{32}$	32	153	14, 15, 16	1
9	$2^2 : S_3$	24	204	18, 21 (3), 23 (4)	2
10	$D_{18}$	18	136	19, 23 (3)	2, 6
11	$D_{18}$	18	136	19, 24 (3)	6
12	18	18	136	19, 25	6
13	17	17	18	32	7
14	$D_{16}$	16	153	21 (2), 20	2, 8
15	16	16	153	20	3 (2), 8
16	$D_{16}$	16	153	22 (2), 20	8
17	$D_{12}$	12	408	24, 25, 23, 27 (3)	6
18	$A_4$	12	204	28, 29 (4)	9
19	9	9	136	29	10, 11, 12
20	8	8	153	26	4 (2), 14, 15, 16
21	$D_8$	8	306	28 (2), 26	9 (2), 14
22	$D_8$	8	306	27 (2), 26	16
23	$S_3$	6	408	29, 30 (3)	9 (2), 10, 17
24	$S_3$	6	408	29, 31 (3)	11, 17
25	6	6	136	29, 31	12, 17 (3)
26	4	4	153	30	5 (2), 20, 21 (2), 22 (2)
27	$2^2$	4	612	30, 31 (2)	17 (2), 22
28	$2^2$	4	204	30 (3)	18, 21 (3)
29	3	3	136	32	18 (6), 19, 23 (3), 24 (3), 25
30	2	2	153	32	7 (2), 23 (8), 26, 27 (4), 28 (4)

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups
31	2	2	136	32	24 (9), 25, 27 (9)
32	1	1	1		13 (18), 29 (136), 30 (153), 31 (136)

TABLE 1. Subgroup lattice of  $L_2(17) : 2$ 

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