

The group  $G$  is isomorphic to the group labelled by [ 60, 8 ] in the Small Groups library.  
 Ordinary character table of  $G \cong \text{S3} \times \text{D10}$ :

	1a	5a	5b	2a	3a	15a	15b	6a	2b	10a	10b	2c
$\chi_1$	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_2$	1	1	1	-1	1	1	1	-1	1	1	1	-1
$\chi_3$	2	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	0	2	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	0	2	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	0
$\chi_4$	2	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	0	2	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	0	2	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	0
$\chi_5$	1	1	1	1	1	1	1	1	-1	-1	-1	-1
$\chi_6$	1	1	1	-1	1	1	1	-1	-1	-1	-1	1
$\chi_7$	2	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	0	2	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	0	-2	$-E(5) - E(5)^4$	$-E(5)^2 - E(5)^3$	0
$\chi_8$	2	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	0	2	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	0	-2	$-E(5)^2 - E(5)^3$	$-E(5) - E(5)^4$	0
$\chi_9$	2	2	2	2	-1	-1	-1	-1	0	0	0	0
$\chi_{10}$	2	2	2	-2	-1	-1	-1	1	0	0	0	0
$\chi_{11}$	4	$2 * E(5) + 2 * E(5)^4$	$2 * E(5)^2 + 2 * E(5)^3$	0	-2	$-E(5) - E(5)^4$	$-E(5)^2 - E(5)^3$	0	0	0	0	0
$\chi_{12}$	4	$2 * E(5)^2 + 2 * E(5)^3$	$2 * E(5) + 2 * E(5)^4$	0	-2	$-E(5)^2 - E(5)^3$	$-E(5) - E(5)^4$	0	0	0	0	0

Trivial source character table of  $G \cong \text{S3} \times \text{D10}$  at  $p = 2$ :

Normalisers $N_i$	$N_1$						$N_2$			$N_3$	$N_4$	$N_5$	
$p$ -subgroups of $G$ up to conjugacy in $G$	$P_1$						$P_2$			$P_3$	$P_4$	$P_5$	
Representatives $n_i \in N_i$	1a	3a	5a	15a	5b	15b	1a	5a	5b	1a	3a	1a	1a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	4	4	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	$2 * E(5)^2 + 2 * E(5)^3$	$2 * E(5)^2 + 2 * E(5)^3$	$2 * E(5) + 2 * E(5)^4$	$2 * E(5) + 2 * E(5)^4$	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	$2 * E(5) + 2 * E(5)^4$	$2 * E(5) + 2 * E(5)^4$	$2 * E(5)^2 + 2 * E(5)^3$	$2 * E(5)^2 + 2 * E(5)^3$	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	-2	4	-2	4	-2	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	-2	$2 * E(5) + 2 * E(5)^4$	$-E(5) - E(5)^4$	$2 * E(5)^2 + 2 * E(5)^3$	$-E(5)^2 - E(5)^3$	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	4	-2	$2 * E(5)^2 + 2 * E(5)^3$	$-E(5)^2 - E(5)^3$	$2 * E(5) + 2 * E(5)^4$	$-E(5) - E(5)^4$	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	2	2	2	2	2	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	$E(5) + E(5)^4$	2	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	$E(5) + E(5)^4$	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	2	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	2	2	0	0	0	2	2	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	-1	2	-1	2	-1	0	0	0	2	-1	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	2	2	0	0	0	0	0	2	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = \text{Group}([\{\}]) \cong 1$   
 $P_2 = \text{Group}([(1, 3)(2, 6)(4, 19)(5, 10)(7, 25)(8, 15)(9, 11)(12, 31)(13, 21)(14, 16)(17, 37)(18, 27)(20, 22)(23, 43)(24, 33)(26, 28)(29, 48)(30, 39)(32, 34)(35, 53)(36, 45)(38, 40)(41, 56)(42, 50)(44, 46)(47, 59)(49, 51)(52, 60)(54, 55)(57, 58)]) \cong \text{C2}$   
 $P_3 = \text{Group}([(1, 2)(3, 6)(4, 7)(5, 42)(8, 36)(9, 14)(10, 50)(11, 16)(12, 52)(13, 30)(15, 45)(17, 47)(18, 24)(19, 25)(20, 57)(21, 39)(22, 58)(23, 41)(26, 54)(27, 33)(28, 55)(29, 35)(31, 60)(32, 49)(34, 51)(37, 59)(38, 44)(40, 46)(43, 56)(48, 53)]) \cong \text{C2}$   
 $P_4 = \text{Group}([(1, 6)(2, 3)(4, 25)(5, 50)(7, 19)(8, 45)(9, 16)(10, 42)(11, 14)(12, 60)(13, 39)(15, 36)(17, 59)(18, 33)(20, 58)(21, 30)(22, 57)(23, 56)(24, 27)(26, 55)(28, 54)(29, 53)(31, 52)(32, 51)(34, 49)(35, 48)(37, 47)(38, 46)(40, 44)(41, 43)]) \cong \text{C2}$   
 $P_5 = \text{Group}([(1, 3)(2, 6)(4, 19)(5, 10)(7, 25)(8, 15)(9, 11)(12, 31)(13, 21)(14, 16)(17, 37)(18, 27)(20, 22)(23, 43)(24, 33)(26, 28)(29, 48)(30, 39)(32, 34)(35, 53)(36, 45)(38, 40)(41, 56)(42, 50)(44, 46)(47, 59)(49, 51)(52, 60)(54, 55)(57, 58), (1, 2)(3, 6)(4, 7)(5, 42)(8, 36)(9, 14)(10, 50)(11, 16)(12, 52)(13, 30)(15, 45)(17, 47)(18, 24)(19, 25)(20, 57)(21, 39)(22, 58)(23, 41)(26, 54)(27, 33)(28, 55)(29, 35)(31, 60)(32, 49)(34, 51)(37, 59)(38, 44)(40, 46)(43, 56)(48, 53)]) \cong \text{C2} \times \text{C2}$

$N_1 = \text{Group}([(1, 2)(3, 6)(4, 7)(5, 42)(8, 36)(9, 14)(10, 50)(11, 16)(12, 52)(13, 30)(15, 45)(17, 47)(18, 24)(19, 25)(20, 57)(21, 39)(22, 58)(23, 41)(26, 54)(27, 33)(28, 55)(29, 35)(31, 60)(32, 49)(34, 51)(37, 59)(38, 44)(40, 46)(43, 56)(48, 53), (1, 3)(2, 6)(4, 19)(5, 10)(7, 25)(8, 15)(9, 11)(12, 31)(13, 21)(14, 16)(17, 37)(18, 27)(20, 22)(23, 43)(24, 33)(26, 28)(29, 48)(30, 39)(32, 34)(35, 53)(36, 45)(38, 40)(41, 56)(42, 50)(44, 46)(47, 59)(49, 51)(52, 60)(54, 55)(57, 58), (1, 4, 11)(2, 7, 16)(3, 9, 19)(5, 12, 22)(6, 14, 25)(8, 17, 28)(10, 20, 31)(13, 23, 34)(15, 26, 37)(18, 29, 40)(21, 32, 43)(24, 35, 46)(27, 38, 48)(30, 41, 51)(33, 44, 53)(36, 47, 55)(39, 49, 56)(42, 52, 58)(45, 54, 59)(50, 57, 60), (1, 5, 13, 24, 36)(2, 8, 18, 30, 42)(3, 10, 21, 33, 45)(4, 12, 23, 35, 47)(6, 15, 27, 39, 50)(7, 17, 29, 41, 52)(9, 20, 32, 44, 54)(11, 22, 34, 46, 55)(14, 26, 38, 49, 57)(16, 28, 40, 51, 58)(19, 31, 43, 53, 59)(25, 37, 48, 56, 60)]) \cong \text{S3} \times \text{D10}$   
 $N_2 = \text{Group}([(1, 3)(2, 6)(4, 19)(5, 10)(7, 25)(8, 15)(9, 11)(12, 31)(13, 21)(14, 16)(17, 37)(18, 27)(20, 22)(23, 43)(24, 33)(26, 28)(29, 48)(30, 39)(32, 34)(35, 53)(36, 45)(38, 40)(41, 56)(42, 50)(44, 46)(47, 59)(49, 51)(52, 60)(54, 55)(57, 58), (1, 2)(3, 6)(4, 7)(5, 42)(8, 36)(9, 14)(10, 50)(11, 16)(12, 52)(13, 30)(15, 45)(17, 47)(18, 24)(19, 25)(20, 57)(21, 39)(22, 58)(23, 41)(26, 54)(27, 33)(28, 55)(29, 35)(31, 60)(32, 49)(34, 51)(37, 59)(38, 44)(40, 46)(43, 56)(48, 53), (1, 5, 13, 24, 36)(2, 8, 18, 30, 42)(3, 10, 21, 33, 45)(4, 12, 23, 35, 47)(6, 15, 27, 39, 50)(7, 17, 29, 41, 52)(9, 20, 32, 44, 54)(11, 22, 34, 46, 55)(14, 26, 38, 49, 57)(16, 28, 40, 51, 58)(19, 31, 43, 53, 59)(25, 37, 48, 56, 60)]) \cong \text{D20}$   
 $N_3 = \text{Group}([(1, 2)(3, 6)(4, 7)(5, 42)(8, 36)(9, 14)(10, 50)(11, 16)(12, 52)(13, 30)(15, 45)(17, 47)(18, 24)(19, 25)(20, 57)(21, 39)(22, 58)(23, 41)(26, 54)(27, 33)(28, 55)(29, 35)(31, 60)(32, 49)(34, 51)(37, 59)(38, 44)(40, 46)(43, 56)(48, 53), (1, 3)(2, 6)(4, 19)(5, 10)(7, 25)(8, 15)(9, 11)(12, 31)(13, 21)(14, 16)(17, 37)(18, 27)(20, 22)(23, 43)(24, 33)(26, 28)(29, 48)(30, 39)(32, 34)(35, 53)(36, 45)(38, 40)(41, 56)(42, 50)(44, 46)(47, 59)(49, 51)(52, 60)(54, 55)(57, 58), (1, 11, 4)(2, 16, 7)(3, 19, 9)(5, 22, 12)(6, 25, 14)(8, 28, 17)(10, 31, 20)(13, 34, 23)(15, 37, 26)(18, 40, 29)(21, 43, 32)(24, 46, 35)(27, 48, 38)(30, 51, 41)(33, 53, 44)(36, 55, 47)(39, 56, 49)(42, 58, 52)(45, 59, 54)(50, 60, 57)]) \cong \text{D12}$   
 $N_4 = \text{Group}([(1, 6)(2, 3)(4, 25)(5, 50)(7, 19)(8, 45)(9, 16)(10, 42)(11, 14)(12, 60)(13, 39)(15, 36)(17, 59)(18, 33)(20, 58)(21, 30)(22, 57)(23, 56)(24, 27)(26, 55)(28, 54)(29, 53)(31, 52)(32, 51)(34, 49)(35, 48)(37, 47)(38, 46)(40, 44)(41, 43), (1, 2)(3, 6)(4, 7)(5, 42)(8, 36)(9, 14)(10, 50)(11, 16)(12, 52)(13, 30)(15, 45)(17, 47)(18, 24)(19, 25)(20, 57)(21, 39)(22, 58)(23, 41)(26, 54)(27, 33)(28, 55)(29, 35)(31, 60)(32, 49)(34, 51)(37, 59)(38, 44)(40, 46)(43, 56)(48, 53), (1, 3)(2, 6)(4, 19)(5, 10)(7, 25)(8, 15)(9, 11)(12, 31)(13, 21)(14, 16)(17, 37)(18, 27)(20, 22)(23, 43)(24, 33)(26, 28)(29, 48)(30, 39)(32, 34)(35, 53)(36, 45)(38, 40)(41, 56)(42, 50)(44, 46)(47, 59)(49, 51)(52, 60)(54, 55)(57, 58)]) \cong \text{C2} \times \text{C2}$   
 $N_5 = \text{Group}([(1, 2)(3, 6)(4, 7)(5, 42)(8, 36)(9, 14)(10, 50)(11, 16)(12, 52)(13, 30)(15, 45)(17, 47)(18, 24)(19, 25)(20, 57)(21, 39)(22, 58)(23, 41)(26, 54)(27, 33)(28, 55)(29, 35)(31, 60)(32, 49)(34, 51)(37, 59)(38, 44)(40, 46)(43, 56)(48, 53), (1, 3)(2, 6)(4, 19)(5, 10)(7, 25)(8, 15)(9, 11)(12, 31)(13, 21)(14, 16)(17, 37)(18, 27)(20, 22)(23, 43)(24, 33)(26, 28)(29, 48)(30, 39)(32, 34)(35, 53)(36, 45)(38, 40)(41, 56)(42, 50)(44, 46)(47, 59)(49, 51)(52, 60)(54, 55)(57, 58)]) \cong \text{C2} \times \text{C2}$