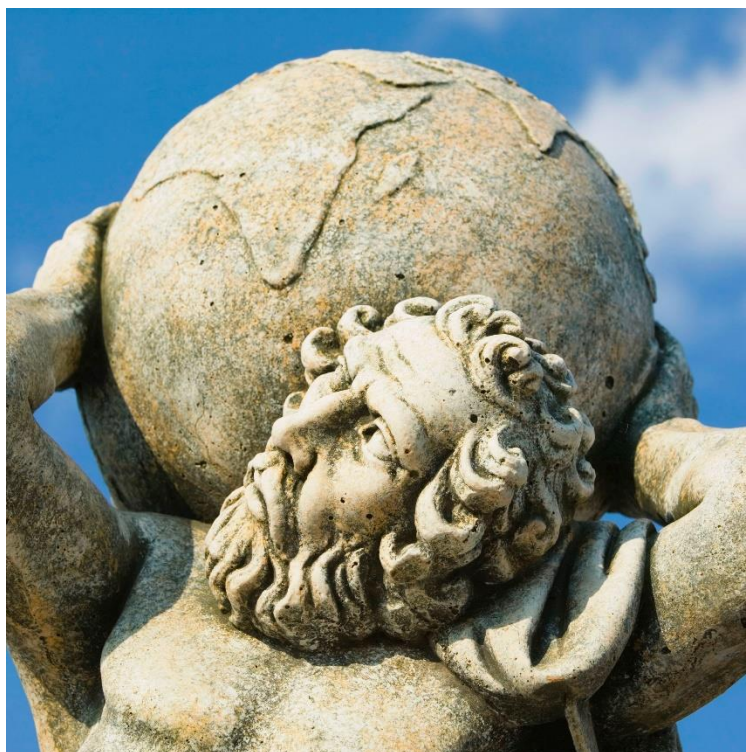


# **ATLAS OF FINITE GROUPS**



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**by Dr C. D. H. Cooper**

These tables were prepared for students and staff at Macquarie University in Australia but are freely available to anyone. However if you make use of them and are not a Macquarie University student it would be nice if you could email me at

[christopher.cooper@mq.edu.au](mailto:christopher.cooper@mq.edu.au)

to let me know where you are from. And, if you are from outside of Australia perhaps you could send me a postcard of where you are from so that I can pin it up on my wall (Christopher Cooper, Department of Mathematics, Macquarie University, NSW 2109, Australia).

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# SUMMARY

There are 1047 groups whose order is at most 100, of which 187 are Abelian.

N = group order

p = the page number for groups of order N

# = number of groups of order N

A = number of Abelian groups of order N

C = the minimum number of conjugacy classes for groups of order N

| N  | p   | #  | A | C  | N  | p   | #   | A  | C  | N   | p   | #   | A | C  |
|----|-----|----|---|----|----|-----|-----|----|----|-----|-----|-----|---|----|
| 1  | 41  | 1  | 1 | 1  | 35 | 151 | 1   | 1  | 35 | 69  | 236 | 1   | 1 | 69 |
| 2  | 41  | 1  | 1 | 2  | 36 | 152 | 14  | 4  | 6  | 70  | 236 | 4   | 1 | 19 |
| 3  | 41  | 1  | 1 | 3  | 37 | 157 | 1   | 1  | 37 | 71  | 237 | 1   | 1 | 71 |
| 4  | 42  | 2  | 2 | 4  | 38 | 157 | 2   | 1  | 11 | 72  | 239 | 50  | 6 | 6  |
| 5  | 42  | 1  | 1 | 5  | 39 | 158 | 2   | 1  | 7  | 73  | 247 | 1   | 1 | 73 |
| 6  | 43  | 2  | 1 | 3  | 40 | 159 | 14  | 3  | 10 | 74  | 247 | 2   | 1 | 20 |
| 7  | 43  | 1  | 1 | 7  | 41 | 164 | 1   | 1  | 41 | 75  | 247 | 3   | 2 | 11 |
| 8  | 44  | 5  | 3 | 5  | 42 | 164 | 6   | 1  | 7  | 76  | 247 | 4   | 2 | 22 |
| 9  | 47  | 2  | 2 | 9  | 43 | 166 | 1   | 1  | 43 | 77  | 247 | 1   | 1 | 77 |
| 10 | 48  | 2  | 1 | 4  | 44 | 166 | 4   | 2  | 14 | 78  | 248 | 6   | 1 | 8  |
| 11 | 49  | 1  | 1 | 11 | 45 | 167 | 2   | 2  | 45 | 79  | 248 | 1   | 1 | 79 |
| 12 | 49  | 5  | 2 | 5  | 46 | 167 | 2   | 1  | 13 | 80  | 249 | 52  | 5 | 8  |
| 13 | 52  | 1  | 1 | 13 | 47 | 168 | 1   | 1  | 47 | 81  | 259 | 15  | 5 | 17 |
| 14 | 52  | 2  | 1 | 5  | 48 | 169 | 52  | 5  | 8  | 82  | 261 | 2   | 1 | 22 |
| 15 | 53  | 1  | 1 | 15 | 49 | 203 | 2   | 2  | 49 | 83  | 261 | 1   | 1 | 83 |
| 16 | 55  | 14 | 5 | 7  | 50 | 203 | 5   | 2  | 14 | 84  | 261 | 15  | 2 | 12 |
| 17 | 69  | 1  | 1 | 17 | 51 | 205 | 1   | 1  | 51 | 85  | 263 | 1   | 1 | 85 |
| 18 | 69  | 5  | 2 | 6  | 52 | 205 | 5   | 2  | 7  | 86  | 263 | 2   | 1 | 23 |
| 19 | 71  | 1  | 1 | 19 | 53 | 207 | 1   | 1  | 53 | 87  | 263 | 1   | 1 | 87 |
| 20 | 71  | 5  | 2 | 5  | 54 | 207 | 15  | 3  | 10 | 88  | 263 | 12  | 3 | 25 |
| 21 | 73  | 2  | 1 | 5  | 55 | 216 | 2   | 1  | 7  | 89  | 264 | 1   | 1 | 89 |
| 22 | 73  | 2  | 1 | 7  | 56 | 217 | 13  | 3  | 8  | 90  | 264 | 10  | 2 | 24 |
| 23 | 74  | 1  | 1 | 23 | 57 | 224 | 2   | 1  | 9  | 91  | 265 | 1   | 1 | 91 |
| 24 | 74  | 15 | 3 | 5  | 58 | 226 | 2   | 1  | 16 | 92  | 265 | 4   | 2 | 26 |
| 25 | 85  | 2  | 2 | 25 | 59 | 226 | 1   | 1  | 59 | 93  | 266 | 1   | 1 | 93 |
| 26 | 85  | 2  | 1 | 8  | 60 | 226 | 13  | 2  | 5  | 94  | 266 | 2   | 1 | 25 |
| 27 | 85  | 5  | 3 | 11 | 61 | 229 | 1   | 1  | 61 | 95  | 266 | 1   | 1 | 95 |
| 28 | 87  | 4  | 2 | 6  | 62 | 229 | 2   | 1  | 17 | 96  |     | 231 | 7 |    |
| 29 | 89  | 1  | 1 | 29 | 63 | 230 | 4   | 2  | 15 | 97  | 267 | 1   | 1 | 97 |
| 30 | 89  | 4  | 1 | 9  | 64 |     | 267 | 11 |    | 98  | 267 | 5   | 2 | 26 |
| 31 | 92  | 1  | 1 | 31 | 65 | 233 | 1   | 1  | 65 | 99  | 267 | 2   | 2 | 99 |
| 32 | 93  | 51 | 7 | 11 | 66 | 233 | 4   | 1  | 18 | 100 | 268 | 16  | 3 | 10 |
| 33 | 151 | 1  | 1 | 33 | 67 | 234 | 1   | 1  | 67 |     |     |     |   |    |
| 34 | 151 | 2  | 1 | 10 | 68 | 234 | 5   | 2  | 8  |     |     |     |   |    |