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## An Introduction to the Theory of Groups of Finite Order (Paperback)

By Harold Hilton

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.A conspicuous place in recent pure mathematical literature is occupied by the Theory of Groups, but few opportunities have been given to the mathematician who does not wish to specialize in this direction to get a general idea of the scope of the theory. The type of investigation in which the method is used may be gathered from very simple examples. Suppose three men,  $X$ ,  $Y$ , and  $Z$ , are standing in a row; their relative positions may be altered by two operations: (a) moving the first man to the second place, the second to the third, and the third to the first, so that  $X$ ,  $Y$ ,  $Z$ , become  $Z$ ,  $X$ ,  $Y$ ; and (b) keeping the first man fixed, and interchanging the other two, so that  $X$ ,  $Y$ ,  $Z$ , become  $X$ ,  $Z$ ,  $Y$ . These two operations may be repeated in any order. The repeated operation  $a$ ,  $a$ , changes  $X$ ,  $Y$ ,  $Z$ , to  $Y$ ,  $Z$ ,  $X$  whilst  $b$ ,  $a$ , changes  $X$ ,  $Y$ ,  $Z$ , to  $Z$ ,  $Y$ ,  $X$ . The men are restored to their original positions by repeating the process  $a...$



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