

**Example 1:**

The Cayley table of  $G = \{5, 15, 25, 35\}$  under multiplication mod 40.

	5	15	25	35
5	25	35	5	15
15	35	25	15	5
25	5	15	25	35
35	15	5	35	25

The Cayley table of  $U(8)$ :

	3	5	1	7
3	1	7	3	5
5	7	1	5	3
1	3	5	1	7
7	5	3	7	1

The Cayley table of  $\mathbb{Z}_4$ :

	0	1	2	3
0	0	1	2	3
1	1	2	3	0
2	2	3	0	1
3	3	0	1	2

The Cayley table of  $U(5)$ :

	1	2	4	3
1	1	2	4	3
2	2	4	3	1
4	4	3	1	2
3	3	1	2	4

**Example 2:**

The Cayley table of  $G = \{a, b, c, d, e, f\}$ .

	$e$	$a$	$b$	$c$	$d$	$f$
$e$	$e$	$a$	$b$	$c$	$d$	$f$
$a$	$a$	$e$	$f$	$d$	$c$	$b$
$b$	$b$	$d$	$e$	$f$	$a$	$c$
$c$	$c$	$f$	$d$	$e$	$b$	$a$
$d$	$d$	$b$	$c$	$a$	$f$	$e$
$f$	$f$	$c$	$a$	$b$	$e$	$d$

The Cayley table of  $S_3$

	(1)	(12)	(13)	(23)	(123)	(132)
(1)	(1)	(12)	(13)	(23)	(123)	(132)
(12)	(12)	(1)	(132)	(123)	(23)	(13)
(13)	(13)	(123)	(1)	(132)	(12)	(23)
(23)	(23)	(132)	(123)	(1)	(13)	(12)
(123)	(123)	(13)	(23)	(12)	(132)	(1)
(132)	(132)	(23)	(12)	(13)	(1)	(123)