

Multiplication Table for D_3
 Arranged in cosets of $H = \{R_0, R_{120}, R_{240}\}$

	R_0	R_{120}	R_{240}	F	F'	F''
R_0	R_0	R_{120}	R_{240}	F	F'	F''
R_{120}	R_{120}	R_{240}	R_0	F'	F''	F
R_{240}	R_{240}	R_0	R_{120}	F''	F	F'
F	F	F''	F'	R_0	R_{240}	R_{120}
F'	F'	F	F''	R_{120}	R_0	R_{240}
F''	F''	F'	F	R_{240}	R_{120}	R_0

Multiplication Table for \mathbb{Z}_{15}
 Arranged in cosets of $H = \{0, 5, 10\}$

	0	5	10	1	6	11	2	7	12	3	8	13	4	9	14
0	0	5	10	1	6	11	2	7	12	3	8	13	4	9	14
5	5	10	0	6	11	1	7	12	2	8	13	3	9	14	4
10	10	0	5	11	1	6	12	2	7	13	3	8	14	4	9
1	1	6	11	2	7	12	3	8	13	4	9	14	0	5	10
6	6	11	1	7	12	2	8	13	3	9	14	4	5	10	0
11	11	1	6	12	2	7	13	3	8	14	4	9	10	0	5
2	2	7	12	3	8	13	4	9	14	0	5	10	1	6	11
7	7	12	2	8	13	3	9	14	4	5	10	0	6	11	1
12	12	2	7	13	3	8	14	4	9	10	0	5	11	1	6
3	3	8	13	4	9	14	0	5	10	1	6	11	2	7	12
8	8	13	3	9	14	4	5	10	0	6	11	1	7	12	2
13	13	3	8	14	4	9	10	0	5	11	1	6	12	2	7
4	4	9	14	0	5	10	1	6	11	2	7	12	3	8	13
9	9	14	4	5	10	0	6	11	1	7	12	2	8	13	3
14	14	4	9	10	0	5	11	1	6	12	2	7	13	3	8

Multiplication Table for D_4
 Arranged in cosets of $H = \{R_0, V\}$

	R_0	V	R_{90}	D	R_{180}	H	R_{270}	D'
R_0	R_0	V	R_{90}	D	R_{180}	H	R_{270}	D'
V	V	R_0	D'	R_{270}	H	R_{180}	D	R_{90}
R_{90}	R_{90}	D	R_{180}	H	R_{270}	D'	R_0	V
D	D	R_{90}	V	R_0	D'	R_{270}	H	R_{180}
R_{180}	R_{180}	H	R_{270}	D'	R_0	V	R_{90}	D
H	H	R_{180}	D	R_{90}	V	R_0	D'	R_{270}
R_{270}	R_{270}	D'	R_0	V	R_{90}	D	R_{180}	H
D'	D'	R_{270}	H	R_{180}	D	R_{90}	V	R_0

Multiplication Table for the factor group

$$D_3/H$$

where $H = \{R_0, R_{120}, R_{240}\}$

	R_0	R_{120}	R_{240}	F	F'	F''
R_0	R_0	R_{120}	R_{240}	F	F'	F''
R_{120}	R_{120}	R_{240}	R_0	F'	F''	F
R_{240}	R_{240}	R_0	R_{120}	F''	F	F'
F	F	F''	F'	R_0	R_{240}	R_{120}
F'	F'	F	F''	R_{120}	R_0	R_{240}
F''	F''	F'	F	R_{240}	R_{120}	R_0

	H	FH
H	H	FH
FH	FH	H

Multiplication Table for \mathbb{Z}_{15}/H
 where $H = \{0, 5, 10\}$

	H	$1 + H$	$2 + H$	$3 + H$	$4 + H$
H	H	$1 + H$	$2 + H$	$3 + H$	$4 + H$
$1 + H$	$1 + H$	$2 + H$	$3 + H$	$4 + H$	H
$2 + H$	$2 + H$	$3 + H$	$4 + H$	H	$1 + H$
$3 + H$	$3 + H$	$4 + H$	H	$1 + H$	$2 + H$
$4 + H$	$4 + H$	H	$1 + H$	$2 + H$	$3 + H$