

Group Tables for Symmetry Groups

Complete the group tables (Cayley tables) for the groups of symmetries of the triangle, rectangle, and square. Remember to read products of symmetries from right to left.

Symmetries of a triangle

	R_0	R_{120}	R_{240}	$F_<$	$F_>$	F_\wedge
R_0						
R_{120}				F_\wedge		
R_{240}						
$F_<$						
$F_>$						
F_\wedge						

Symmetries of a rectangle

	R_0	R_{180}	V	H
R_0				
R_{180}				
V				
H				

Symmetries of a square

	R_0	R_{90}	R_{180}	R_{270}	H	V	D_\backslash	$D_/_$
R_0								
R_{90}								
R_{180}						H		
R_{270}								
H								
V								
D_\backslash								
$D_/_$								