



. There are 6 Symmeteries in total: [Ro, Rizo, Rz40, Fr, Fr] what if we combine/compose? Then happens?

An operation table, or "Caley Table":

0	Ro	R120	R240	RV	FR	FL
Ro						
R120	14		Ro			
Reyo					F	
Fv		FL				
FR			6			
FL						

Note

O O First do, O then do D.

P240 ° FR = FV

Do this
first

Inverse property

R240 0 R120 = R0.

R240 & R120 are inverses of each other.

Hilroy

HWK: Fill all the rest of the table. Answer these questions: 1) Will you need more than 6 actions to fill ont the table? 2 Do you see any inverses other than Rno & R240 ? 3 which of the 6 actions have inverses?