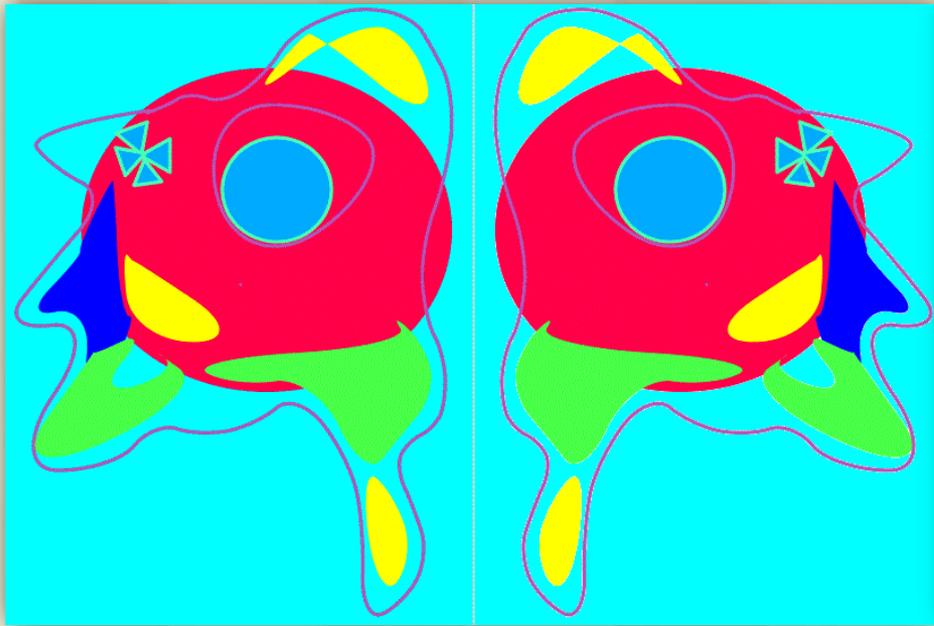


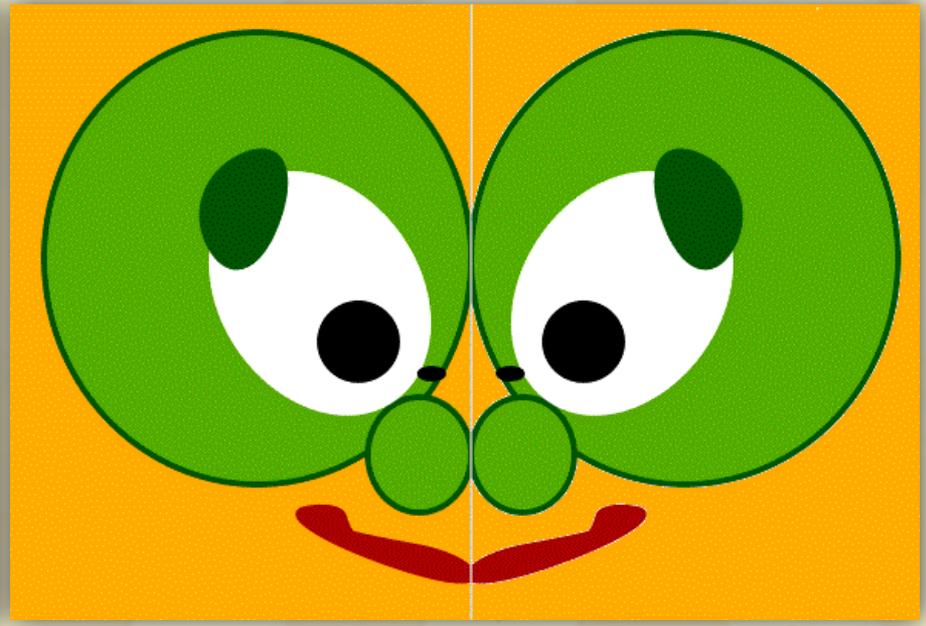


**Desenho livre no  
TESS**

**D<sub>1</sub>**

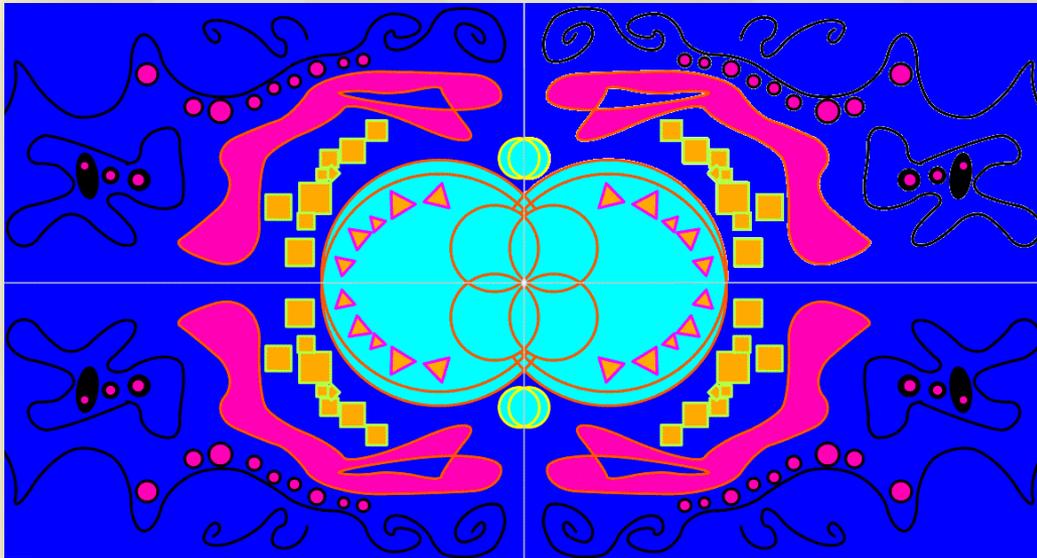


Raquel

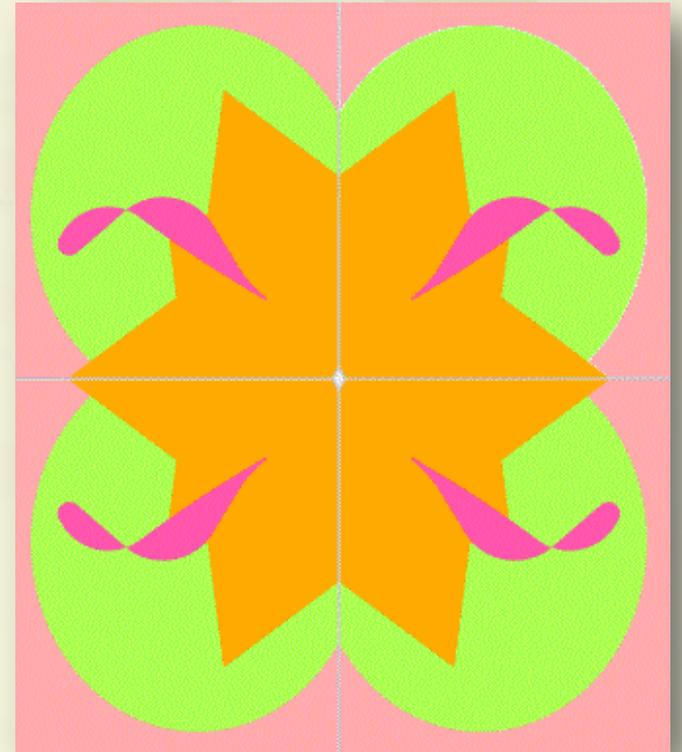


Sara

**D<sub>2</sub>**

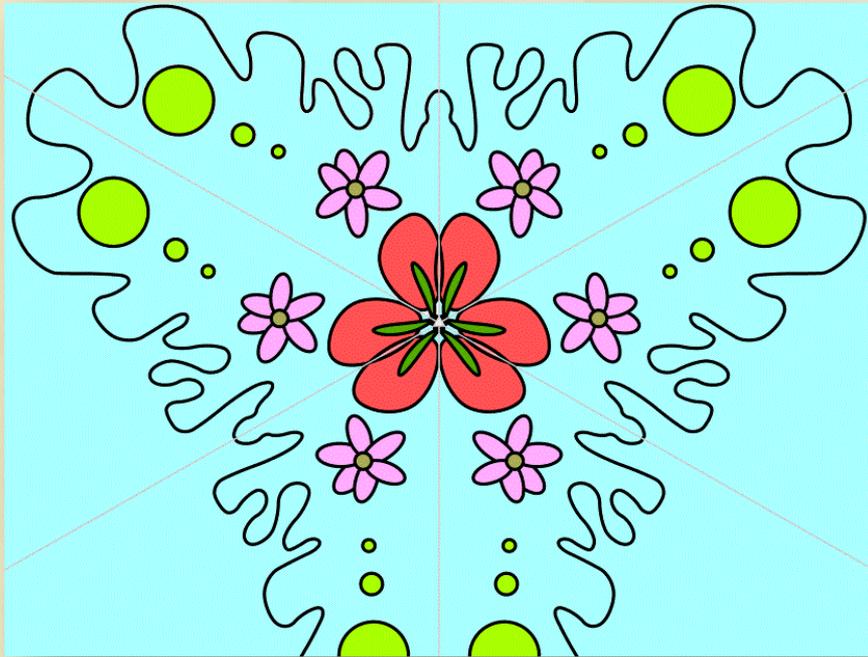


Raquel

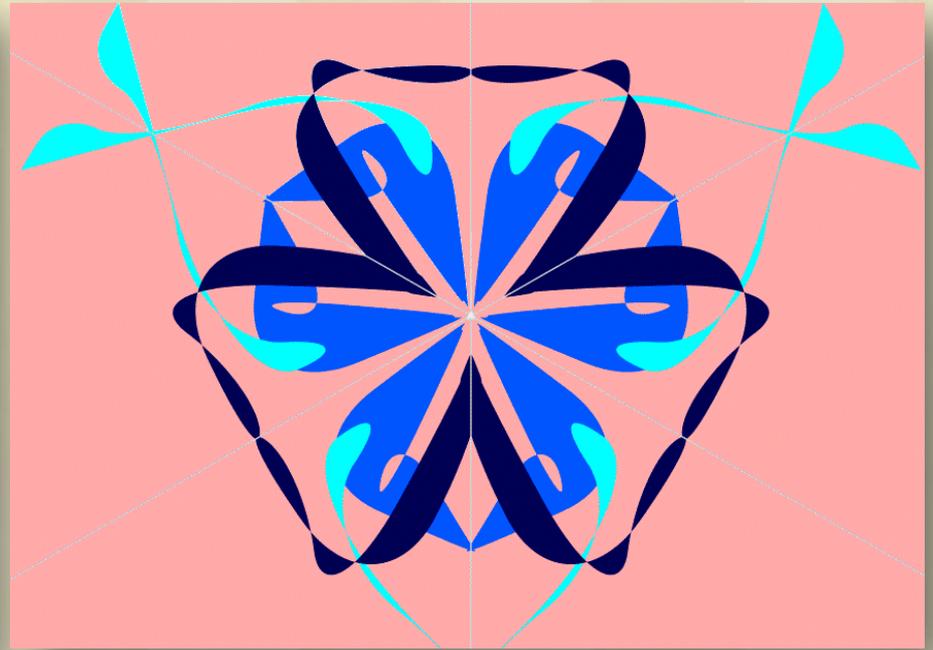


Sara

# D<sub>3</sub>

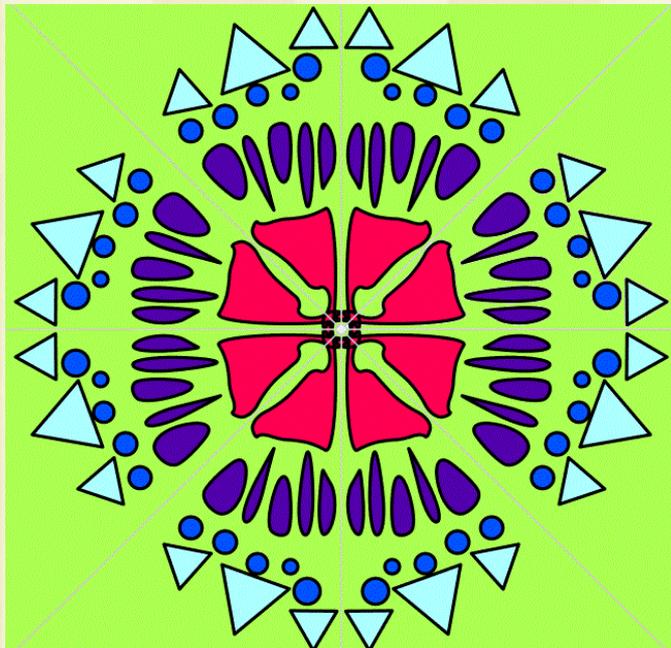


Raquel

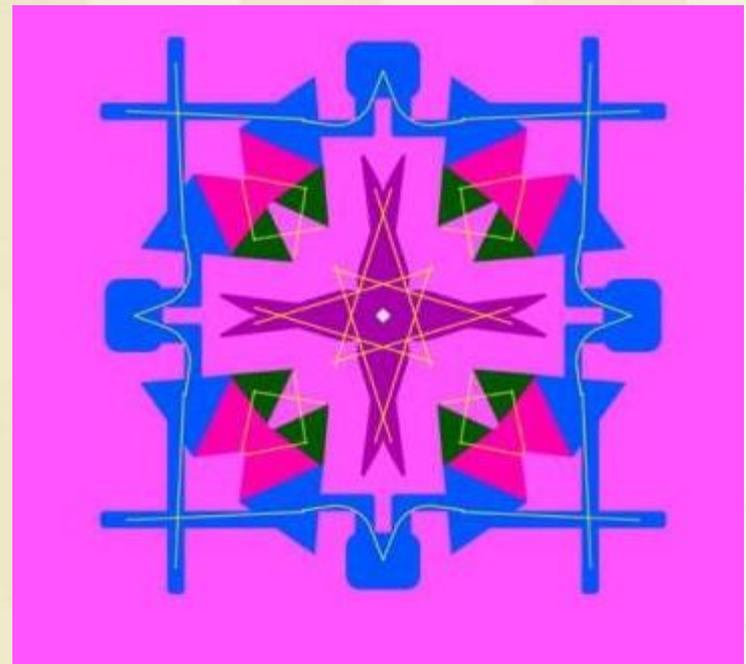


Sara

# D<sub>4</sub>

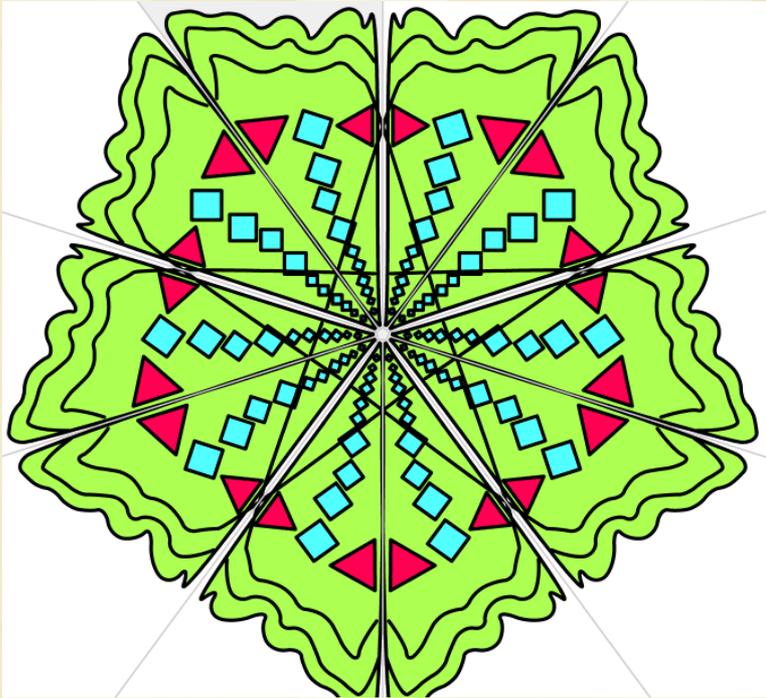


Raquel



Carla

$D_5$

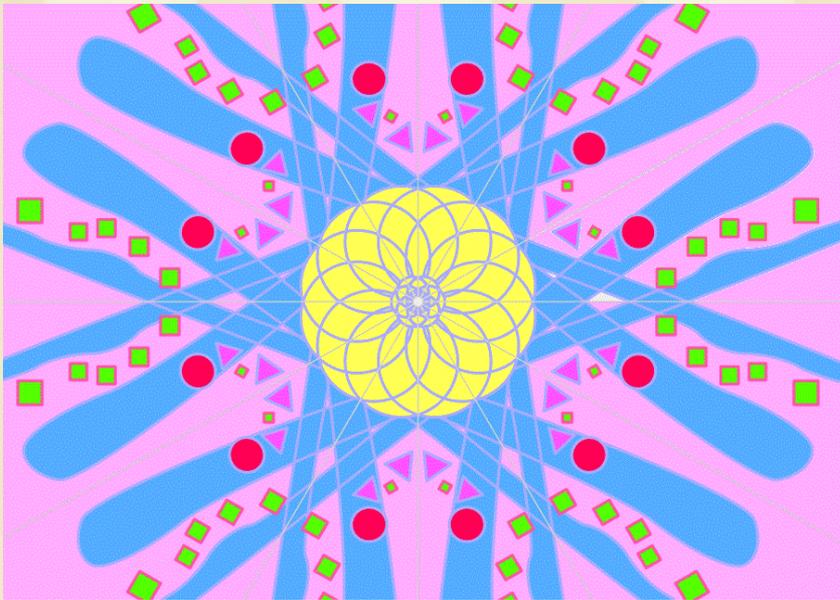


Raquel

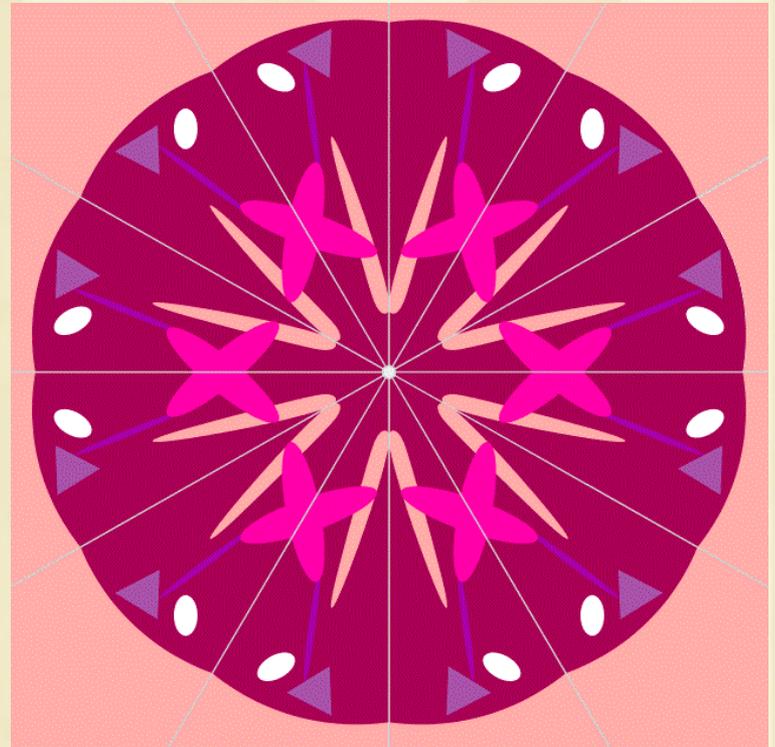


Carla

# D<sub>6</sub>

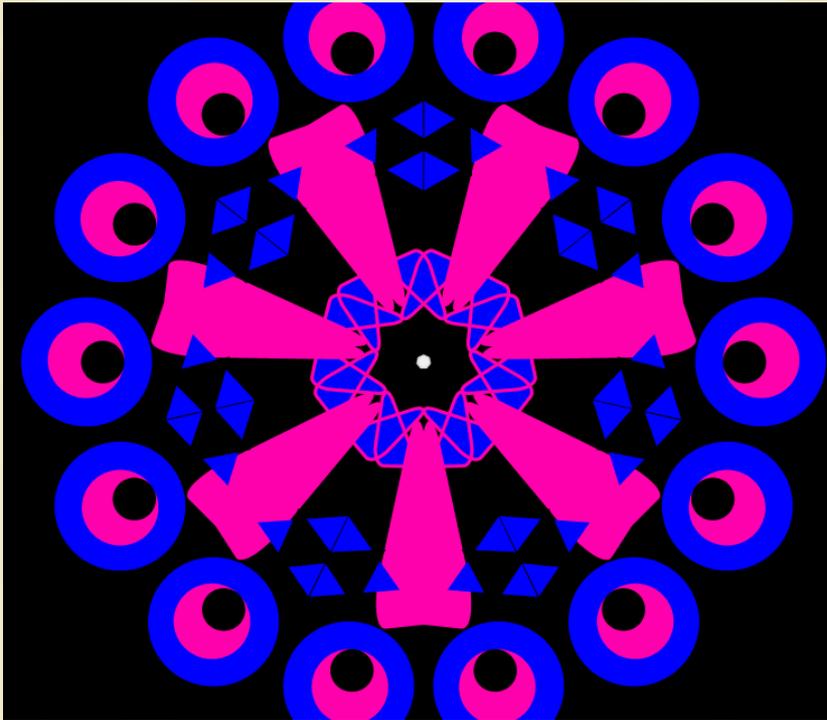


Raquel

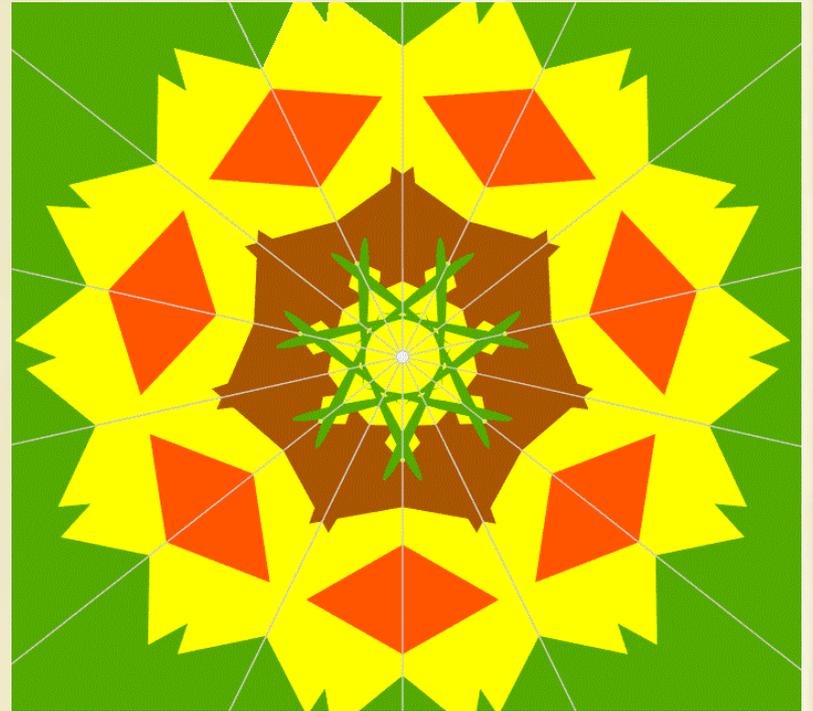


Sara

# D<sub>7</sub>

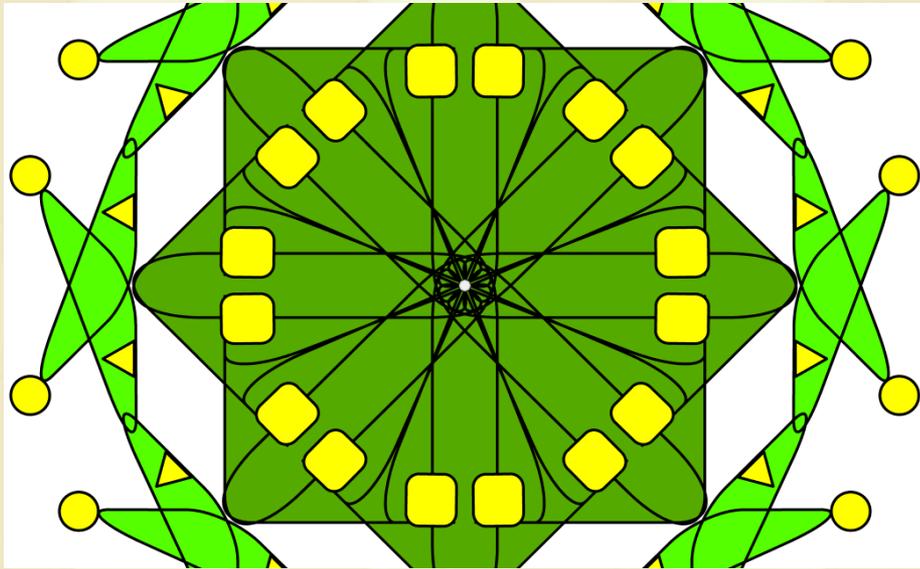


Melissa

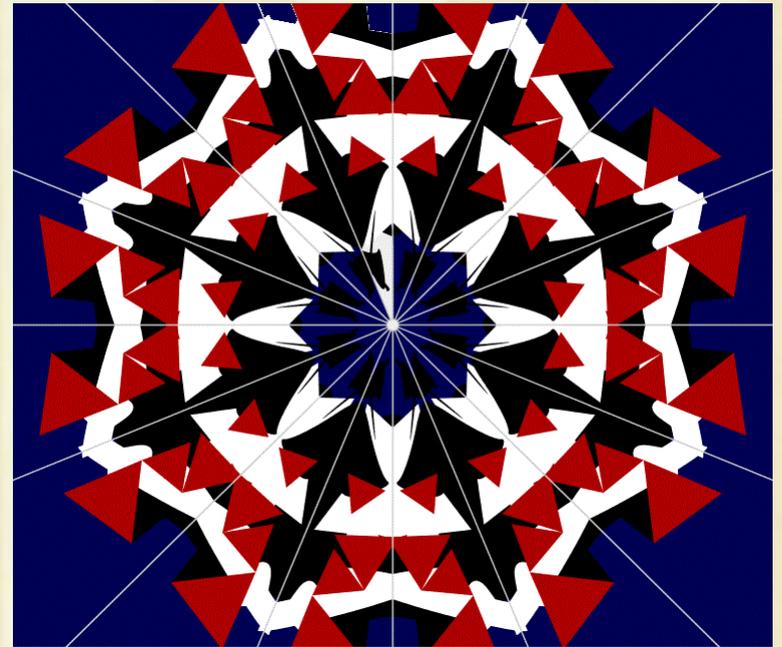


Sara

$D_8$

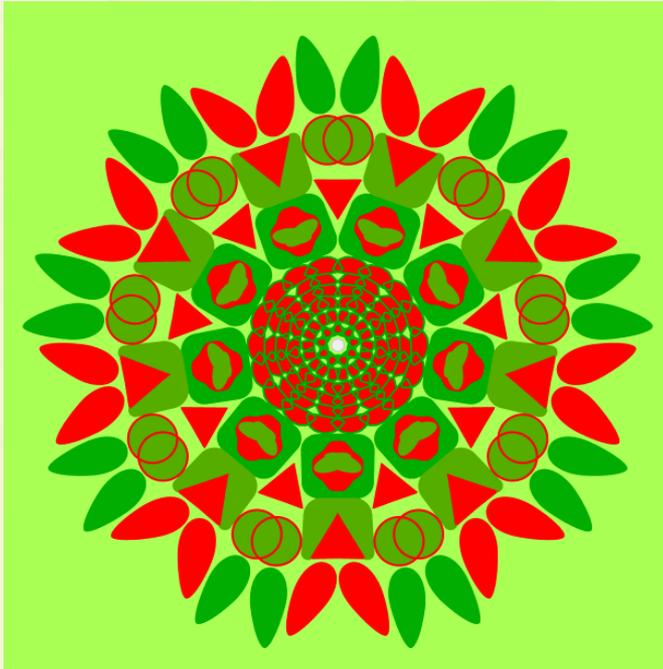


Melissa

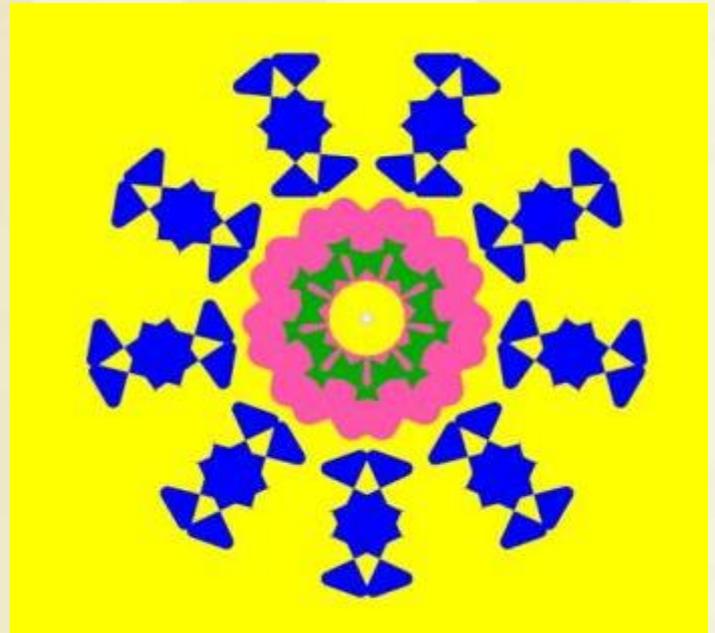


Sara

# D<sub>9</sub>

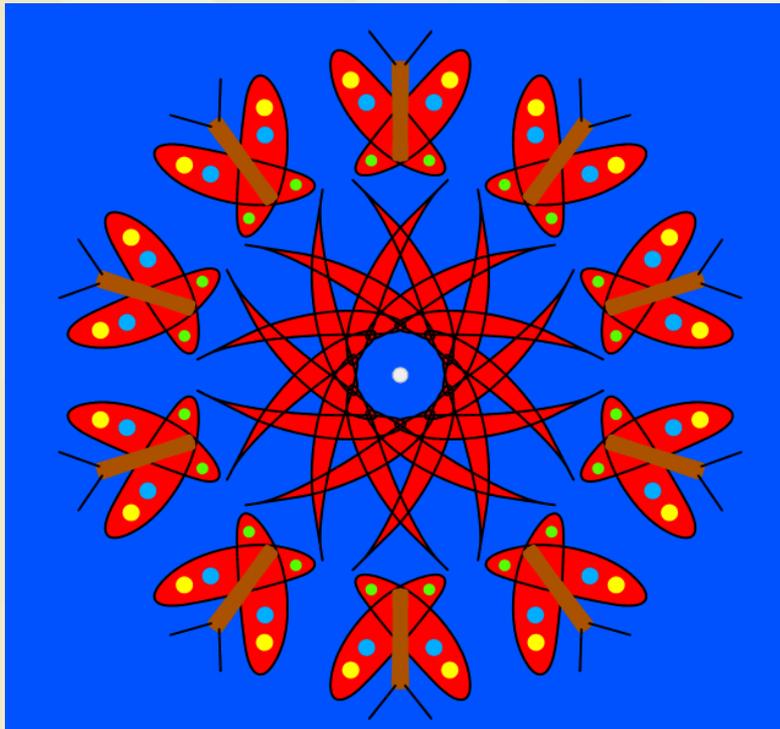


Melissa

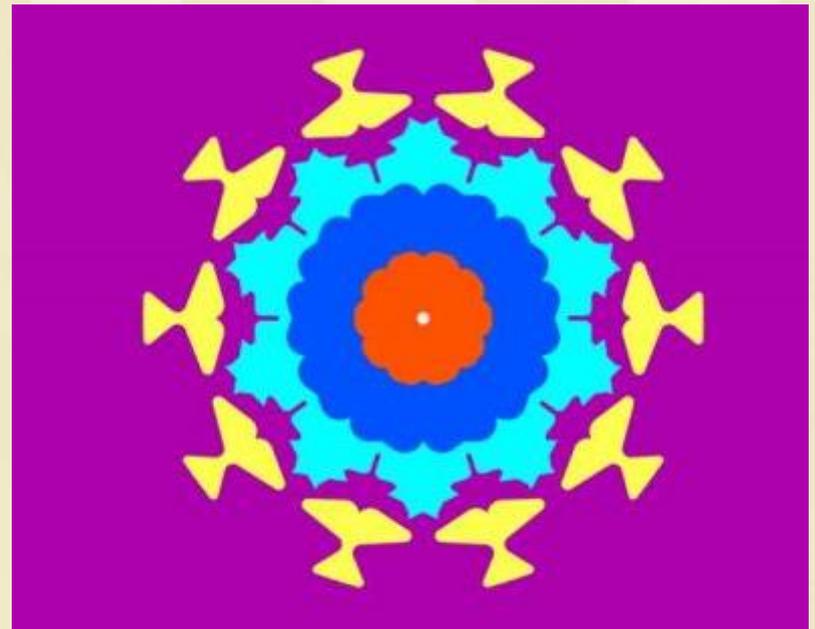


Carla

# D<sub>10</sub>

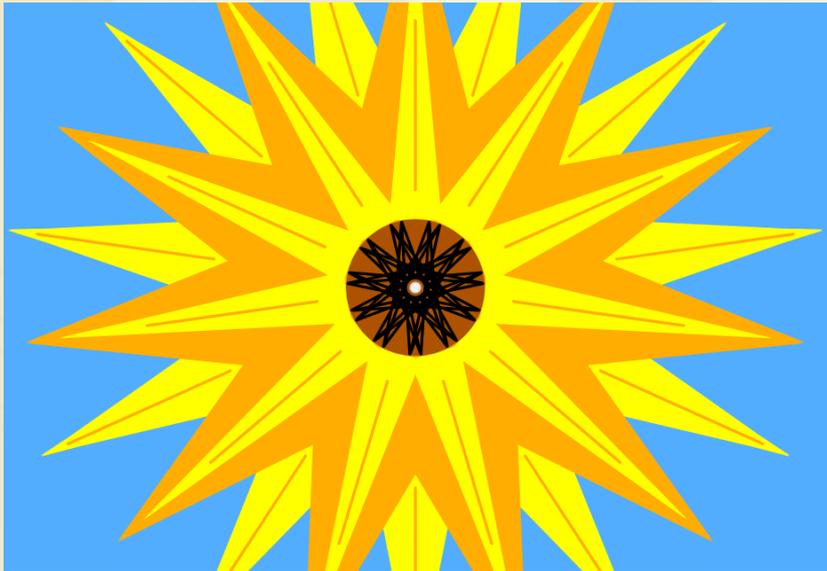


Melissa

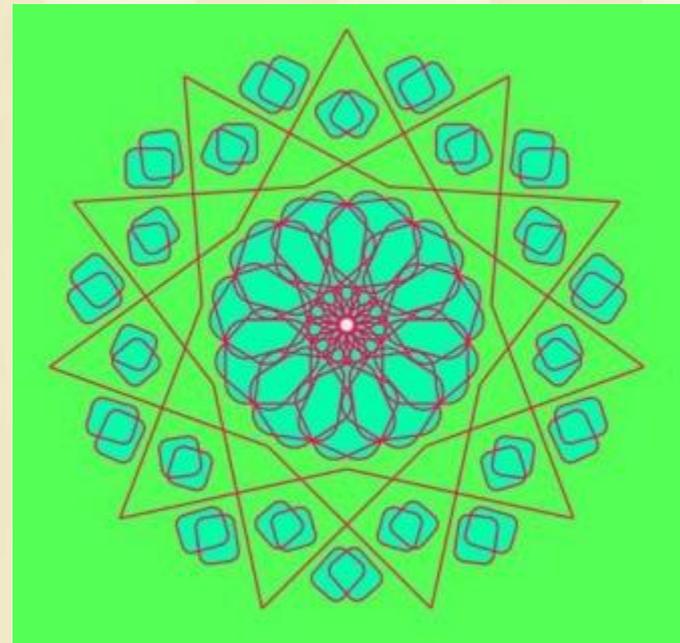


Carla

# D<sub>11</sub>

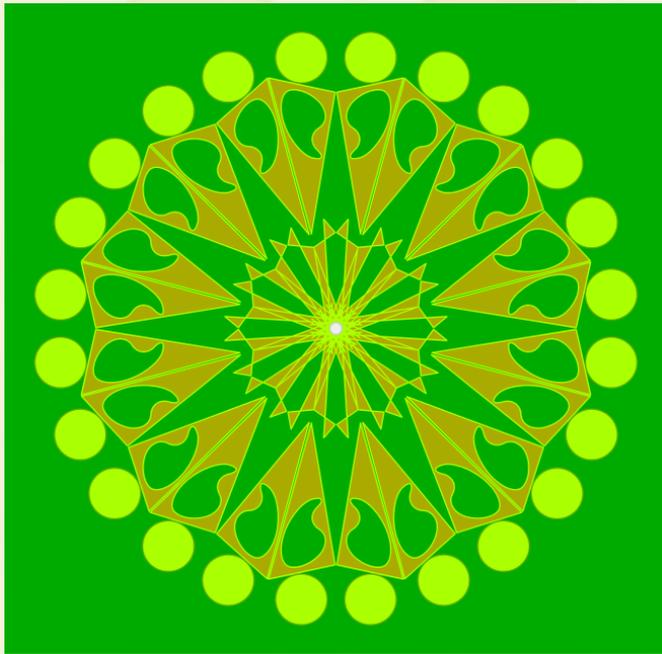


Melissa

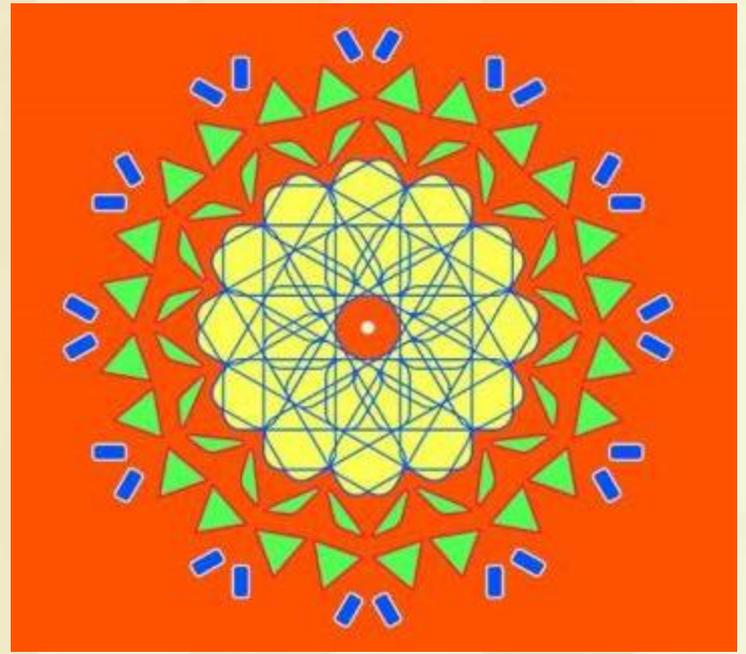


Carla

# $D_{12}$



Melissa

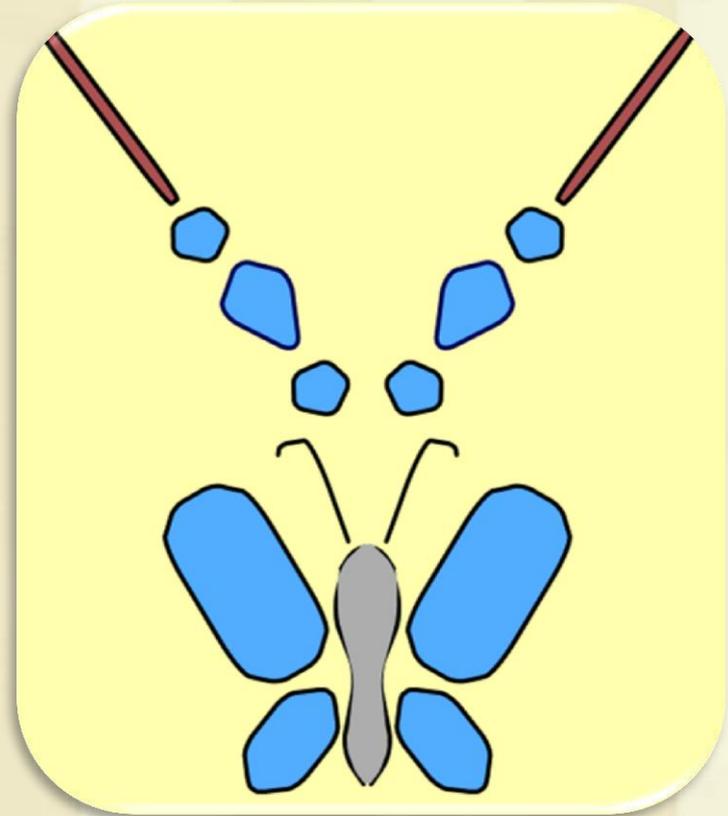


Carla



**Catálogo de  
rosáceas I**

# Colar

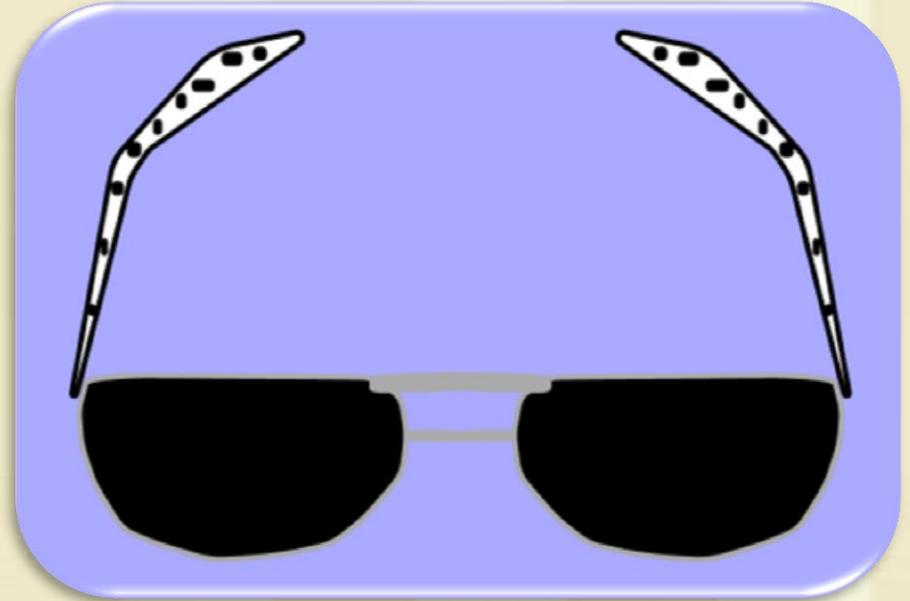


$$D_1 (360^\circ / 1 = 360^\circ)$$

1 Simetria de Rotação (Rotação de  $0^\circ$  ou Identidade)

1 Simetria de Reflexão em Reta

# Óculos de Sol



$$D_1 (360^\circ / 1 = 360^\circ)$$

1 Simetria de Rotação (Rotação de  $0^\circ$  ou Identidade)

1 Simetria de Reflexão em Reta

# Camisola



$$D_1 (360^\circ / 1 = 360^\circ)$$

1 Simetria de Rotação (Rotação de  $0^\circ$  ou Identidade)

1 Simetria de Reflexão em Reta

# Marca de Automóvel



$$D_1 (360^\circ / 1 = 360^\circ)$$

1 Simetria de Rotação (Rotação de  $0^\circ$  ou Identidade)

1 Simetria de Reflexão em Reta

# Folha de Planta



$$D_1 (360^\circ / 1 = 360^\circ)$$

1 Simetria de Rotação (Rotação de  $0^\circ$  ou Identidade)

1 Simetria de Reflexão em Reta

# Brinco

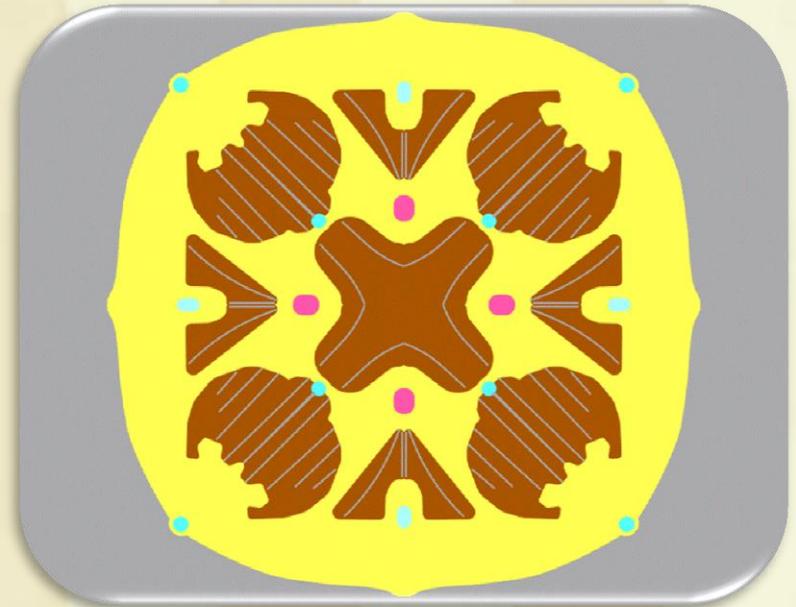


$$D_1 (360^\circ / 1 = 360^\circ)$$

1 Simetria de Rotação (Rotação de  $0^\circ$  ou Identidade)

1 Simetria de Reflexão em Reta

# Coroa

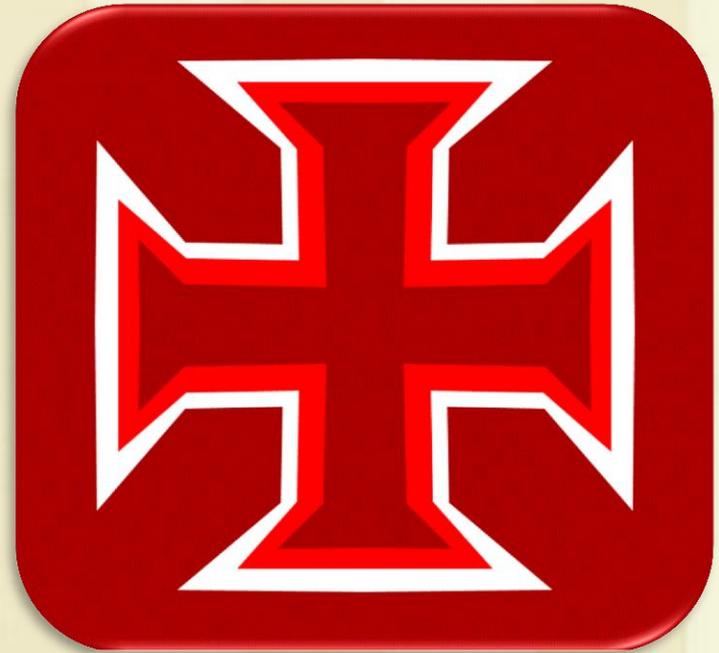


$D_4$  ( $360^\circ / 4 = 90^\circ$ )

4 Simetrias de Rotação ( $0^\circ$ ,  $90^\circ$ ,  $180^\circ$ ,  $270^\circ$ )

4 Simetrias de Reflexão em Reta

# Cruz

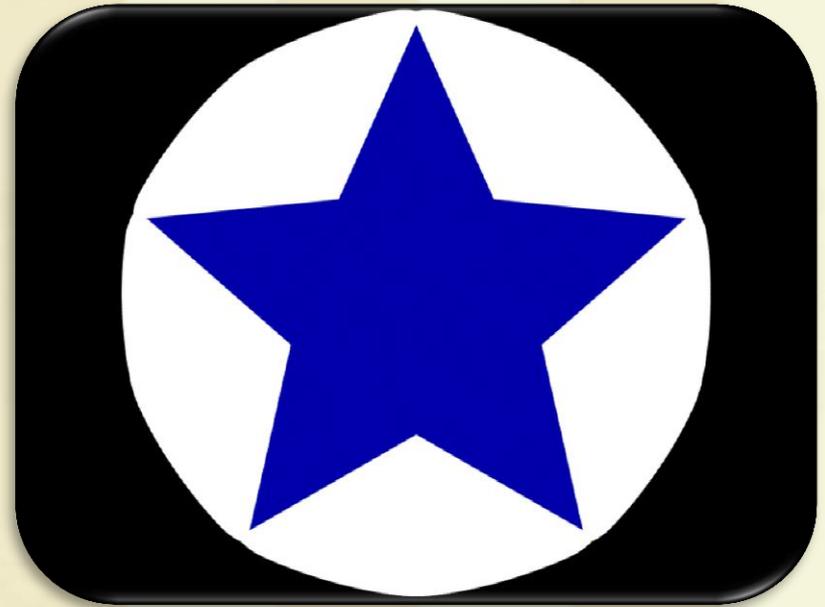


$D_4$  ( $360^\circ / 4 = 90^\circ$ )

4 Simetrias de Rotação ( $0^\circ$ ,  $90^\circ$ ,  $180^\circ$ ,  $270^\circ$ )

4 Simetrias de Reflexão em Reta

# Marca



$$D_5 \quad (360^\circ / 5 = 72^\circ)$$

5 Simetrias de Rotação ( $0^\circ$ ,  $72^\circ$ ,  $144^\circ$ ,  $216^\circ$ ,  $288^\circ$ )

5 Simetrias de Reflexão em Reta

# Guarda Chuva



$D_8$  ( $360^\circ / 8 = 45^\circ$ )

8 Simetria de Rotação ( $0^\circ, 45^\circ, 90^\circ, 135^\circ, 180^\circ, 225^\circ, 270^\circ, 315^\circ$ )

8 Simetrias de Reflexão em Reta

# Brinco

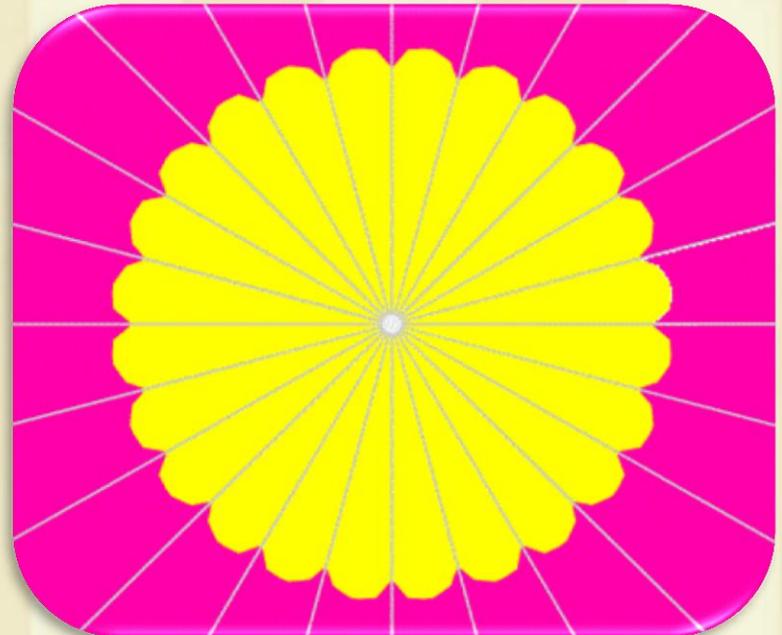
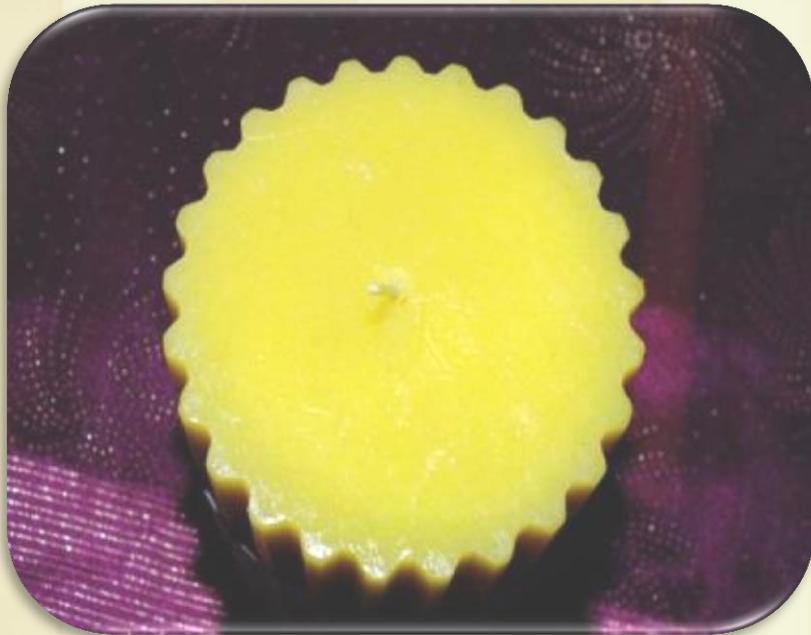


$D_{12}$  ( $360^\circ / 12 = 30^\circ$ )

12 Simetrias de Rotação ( $0^\circ, 30^\circ, 60^\circ, 90^\circ, 120^\circ, 150^\circ, 180^\circ, 210^\circ, 240^\circ, 270^\circ, 300^\circ, 330^\circ$ )

12 Simetrias de Reflexão em Reta

# Vela



$$D_{24} (360^\circ / 24 = 15^\circ)$$

24 Simetrias de Rotação ( $0^\circ, 15^\circ, 30^\circ, 45^\circ, 60^\circ, 75^\circ, 90^\circ, 105^\circ, 120^\circ, 135^\circ, 150^\circ, 165^\circ, 180^\circ, 195^\circ, 210^\circ, 225^\circ, 240^\circ, 255^\circ, 270^\circ, 285^\circ, 300^\circ, 315^\circ, 330^\circ, 345^\circ$ )

24 Simetrias de Reflexão em Reta (12 eixos de simetria estão representados na figura da direita)