What is the smallest rotation?

- 180°: (five of these)
  - Is there a reflection? (four of these)
  - Is there a glide reflection? (three of these)
  - Are there reflections in two directions? (three of these)
  - Are rotation centers on reflection axes? (two of these)
- 90°: (three of these)
  - Is there a reflection? (two of these)
  - Are there reflections in four directions? (two of these)
- 120°: (three of these)
  - Is there a reflection? (two of these)
  - Are all threefold centers on reflection axes? (two of these)
- 60°: (two of these)
  - Is there a reflection? (two of these)
  - Are there reflections in six directions? (two of these)

- Is there a glide reflection in an axis which is not a reflection axis? (four of these)
- Are there reflections in two directions? (three of these)
- Are all rotation centers on reflection axes? (two of these)
- Are there reflections in four directions? (two of these)
- Are there reflections in six directions? (two of these)

- cm
- pm
- pg
- p1
- pgg
- p2
- p4
- p4m
- p4g
- p6m
- p6
- p3
- p3m1
- p31m
- cmm
- pmm