## 17/06/26: <br> Spiral Galaxies by Thomas Snyder Theme: Happy Face

Rules: Divide the grid along the indicated lines into connected regions - "galaxies" - with rotational symmetry. Each cell must belong to one galaxy, and each galaxy must have exactly one circle at its center of rotational symmetry. Answer Entry: Enter the number of cells in each connected group (between bold lines) in the marked rows. Separate each row's entry from the
 next with a comma. The example has the answer "2131,331".


## 17/06/27: <br> Spiral Galaxies by Dan Katz Theme: Logical

Rules: Divide the grid along the indicated lines into connected regions - "galaxies" - with rotational symmetry. Each cell must belong to one galaxy, and each galaxy must have exactly one circle at its center of rotational symmetry. Answer Entry: Enter the number of cells in each connected group (between bold lines) in the marked rows. Separate each row's entry from the
 next with a comma. The example has the answer "2131,331".


## 17/06/28: <br> Spiral Galaxies by Serkan Yürekli Theme: When Will the Solution Be Clear?

Rules: Divide the grid along the indicated lines into connected regions - "galaxies" - with rotational symmetry. Each cell must belong to one galaxy, and each galaxy must have exactly one circle at its center of rotational symmetry. Answer Entry: Enter the number of cells in each connected group (between bold lines) in the marked rows. Separate each row's entry from the
 next with a comma. The example has the answer "2131,331".


## 17/06/29: <br> Double Spiral Galaxies by Serkan Yürekli Theme: Logical

Rules: Variation of Spiral Galaxies. In addition to the standard rules, some circles are shaded gray and must belong to galaxies containing two gray circles, not one, with the circles in rotationally symmetric spots for those galaxies. Answer Entry: Enter the number of cells in each connected group (between bold lines) in the marked rows. Separate each row's entry from the
 next with a comma. The example has the answer "52,11131".


# 17/06/30: <br> Double Spiral Galaxies by John Bulten Theme: Astronomical Clock 

Rules: Variation of Spiral Galaxies. In addition to the standard rules, some circles are shaded gray and must belong to galaxies containing two gray circles, not one, with the circles in rotationally symmetric spots for those galaxies.
Answer Entry: Enter the number of cells in each connected group (between bold lines) in the marked rows/columns. Separate each row/
 column's entry from the next with a comma. The example has the answer " 52,11131 ".


# 17/07/01: <br> Double Spiral Galaxies by Carl Worth Theme: Double Spiral Galaxy 



Rules: Variation of Spiral Galaxies. In addition to the standard rules, some circles are shaded gray and must belong to galaxies containing two gray circles, not one, with the circles in rotationally symmetric spots for those galaxies.
Answer Entry: Enter the number of cells in each connected group (between bold lines) in the marked rows. Separate each row's entry from the
 next with a comma. The example has the answer " 52,11131 ".


