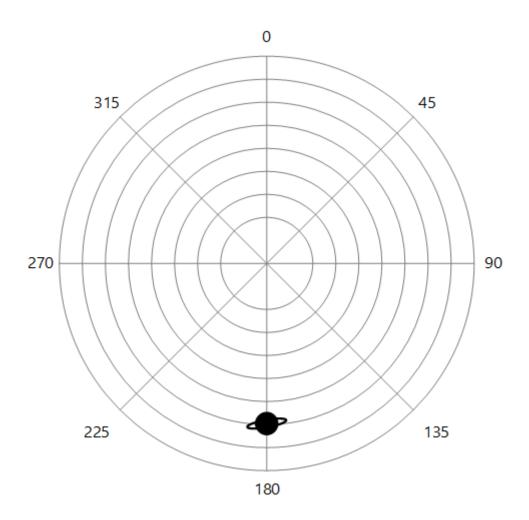
SOLAR SYSTEM

The Solar System has 8 planets, each on its own orbit. The planets' positions are defined by their angles, as marked on the scheme: all angles are multiples of 45°.

Use the statements below to figure out the positions of the planets. To get you started, the position of Saturn is already marked.

- 1. There are three angles with no planets on them.
- 2. There is exactly one line (two opposing angles) which has three planets on it; these planets have adjacent (consecutive) orbits.
- 3. No four planets are on the same line.
- 4. No two planets on adjacent orbits have the same angle.
- 5. All terrestrial planets have different angles.
- 6. The angle of the heavier ice giant is 225° smaller than the angle of the lighter one.
- 7. The angle of the larger inferior planet is two times the angle of the smaller one.
- 8. The angle of the largest planet is five times the angle of the second-smallest one.

Note: the angles don't wrap around the circle; 0° ≠ 360°.



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