Draw a Universe Scene: Compare Planet, Star, and Galaxy Shapes

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

A student draws a planet circle 4 cm across, a star core 1 cm across with rays 2 cm long, and a galaxy ellipse 6 cm wide and 2 cm tall. Check whether the star rays are shorter than the planet diameter and whether the galaxy is wider than tall.

Answer: Planet diameter is 4 cm. Star rays are 2 cm, which is shorter than 4 cm, so the star does not dominate. Galaxy width 6 cm is greater than height 2 cm, so it reads as a tilted disk. The scene passes both shape checks.