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

Original tasks 1, 2 / independent work

Task 1

A planet circle is 5 cm across. A star has rays 3 cm long. Are the rays shorter than the planet diameter?

Task 2

A galaxy ellipse is 7 cm wide and 3 cm tall. Is it wider than tall, and by how much?

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

Original tasks 3, 4 / independent work

Task 3

A scene box is 12 cm wide. The planet is 4 cm wide, the galaxy is 6 cm wide, and the star is 2 cm wide. If placed side by side with no gaps, do they fit?

Task 4

A student draws a star with eight rays, each 4 cm long, next to a planet 4 cm across. Does the star dominate the scene?