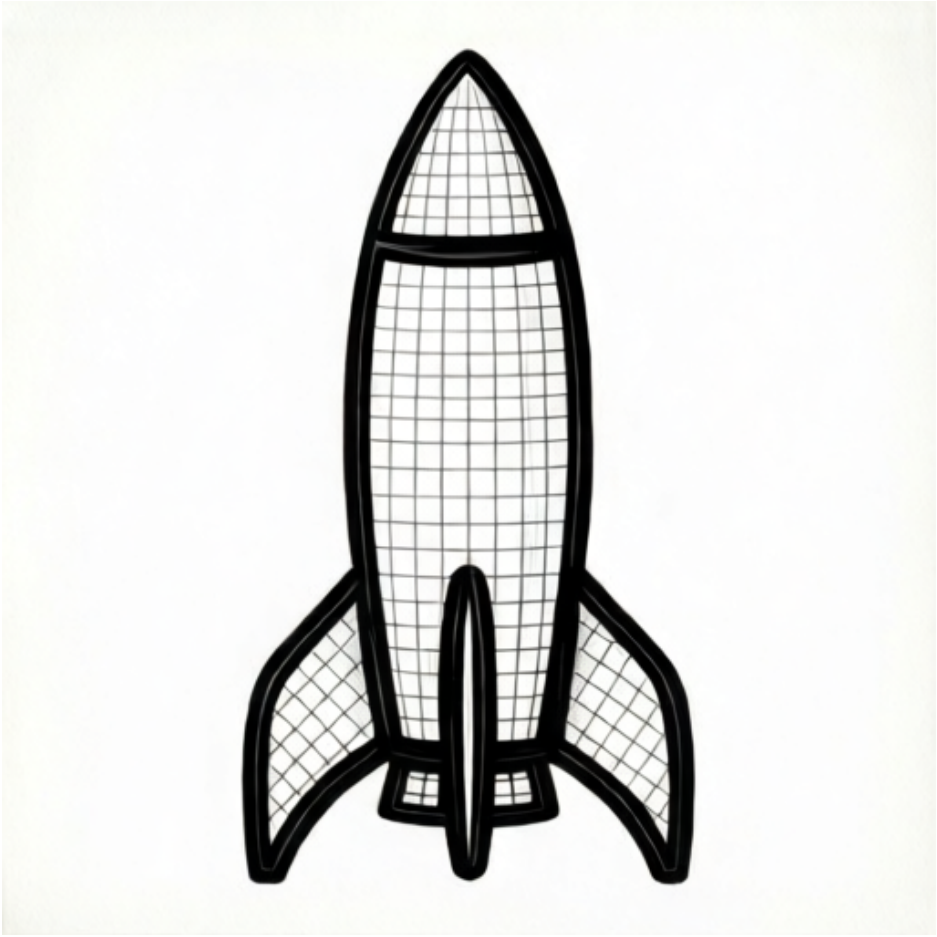
Grid-Guided Rocket Ship Drawing: Body and Fin Placement

Ordinary topic reference / separately checked pixels



Grid-Guided Rocket Ship Drawing: Body and Fin Placement

Original worked example / unchanged complete key

Prompt: Using a square grid, draw a rocket with body width 4 squares and height 10 squares, nose height 3 squares, and two fins each with base 3 squares and height 4 squares. Verify total guide area.

Answer: Body area is 4 times 10 equals 40 squares. Nose area is half of 4 times 3 equals 6 squares. Each fin area is half of 3 times 4 equals 6 squares, so two fins total 12 squares. Total guide area is 40 plus 6 plus 12 equals 58 squares. Place the nose apex on the centre line 3 squares above the body top. Place fin top dots 4 squares above the body bottom and outer dots 3 squares outward from the body sides. Count the guide squares to confirm 58.