

The Art World

1. An artist is creating a rectangular canvas that is 24 inches long and 18 inches wide. Calculate the canvas's area in square inches.
2. A sculptor is designing a cone-shaped sculpture with a radius of 5 feet and a height of 8 feet. Determine the sculpture's volume in cubic feet.
3. An art gallery is displaying a circular painting with a diameter of 36 inches. Calculate the painting's area in square inches.
4. An architect is designing a triangular-shaped building with a base of 60 feet and a height of 80 feet. Determine the building's area in square feet.
5. A stained glass window is in the shape of a regular hexagon with each side measuring 12 inches. Calculate the window's perimeter in inches.
6. A potter is creating a cylindrical vase with a radius of 6 inches and a height of 10 inches. Determine the vase's volume in cubic inches.
7. An artist is drawing an isosceles triangle with two sides measuring 15 inches each and a base of 12 inches. Calculate the triangle's area in square inches.
8. A mural on a wall has the shape of a parallelogram with a base of 20 feet and a height of 12 feet. Determine the mural's area in square feet.
9. A photographer frames a rectangular photograph that is 8 inches long and 6 inches wide. Calculate the photograph's perimeter in inches.
10. An art class is painting a regular pentagon-shaped sign with a side length of 10 inches. Determine the sign's perimeter in inches.

