

Geometry and Measurement

Description

Geometry and Measurement is a written test. Students are required to solve problems about topics such as angles, polygons, area, perimeter, volume, time, and standard and metric measurement.

Examples

The angles in a pentagon measure 95° , 98° , 128° , 115° . What is the measurement of the fifth angle?

Two rays form an angle of 120° . What is the measurement of the reflex angle?

Which is greater, $6\frac{1}{2}$ lbs. or 100 oz.?

A rectangular prism is 48 inches long, 12 inches wide, and 6 inches high. What is the volume in square feet?

What is the area of a circle with a diameter of 8 cm?

A square garden has 12 fence posts. The posts are 3 feet apart. What is the area of the garden?

How many lines of symmetry are there in a rectangle that measures 4 inches by 6 inches?

If the numeral 6 is rotated 180° , what numeral is now formed?

Andrew drove from San Diego to Santa Barbara, a distance of 180 miles. He averaged 45 miles per hour for the trip. He stopped for 1 hour to eat lunch. How long did the trip from San Diego to Santa Barbara take?

What time is 36 hours, 25 minutes before 10:00 PM?

Answers

Examples

- The angles in a pentagon measure 95° , 98° , 128° , 115° . What is the measurement of the fifth angle? **104°**
- Two rays form an angle of 120° . What is the measurement of the reflex angle? **240°**
- Which is greater, $6\frac{1}{2}$ lbs. or 100 oz.? **$6\frac{1}{2}$ lbs.**
- A rectangular prism is 48 inches long, 12 inches wide, and 6 inches high. What is the volume in square feet? **24 Cu. Ft.**
- What is the area of a circle with a diameter of 8 cm? **50.24 sq. cm**
- A square garden has 12 fence posts. The posts are 3 feet apart. What is the area of the garden? **81 sq. ft.**
- How many lines of symmetry are there in a rectangle that measures 4 inches by 6 inches? **2**
- If the numeral 6 is rotated 180° , what numeral is now formed? **9**
- Andrew drove from San Diego to Santa Barbara, a distance of 180 miles. He averaged 45 miles per hour for the trip. He stopped for 1 hour to eat lunch. How long did the trip from San Diego to Santa Barbara take? **5 hours**
- What time is 36 hours, 25 minutes before 10:00 PM? **9:35 AM**