

Worksheet 04: Geometry Field Planning

Area, perimeter, volume, and surface area with room to solve.

Part A: Area and Perimeter

1. A rectangular training field is 85 yards long and 48 yards wide. Find its perimeter and area.

Show your work / final answer:

2. A triangular flag has a base of 18 inches and a height of 22 inches. Find its area.

Show your work / final answer:

3. A circular target has a radius of 6 inches. Use 3.14 for pi. Find the area and circumference.

Show your work / final answer:

4. A map room is 14 ft by 11 ft. Carpet costs \$3.25 per square foot. What is the total carpet cost?

Show your work / final answer:

Extra workspace / final response:

Part B: Volume and Surface Area

5. A supply crate is 4 ft long, 3 ft wide, and 2.5 ft tall. Find its volume.

Show your work / final answer:

6. Find the surface area of the same rectangular crate.

Show your work / final answer:

7. A cylinder container has radius 4 cm and height 12 cm. Find the volume using 3.14 for pi.

Show your work / final answer:

8. Explain which measurement - area, perimeter, or volume - would be most useful for planning storage space and why.

Extra workspace / final response:
