

Elementary School: Perimeter, Area, Surface Area, and Volume Assessment

1. A closed plane figure formed by three or more line segments that only intersect at their endpoints is called?
- a. Pyramid
 - b. Rectangle
 - c. Polygon
 - d. Cube

Correct feedback: Yes, the answer is a polygon

Incorrect feedback: Sorry, the answer is polygon. Please review the vocabulary for elementary school measurement.

2. The amount of space inside a two dimensional shape or object is called?
- a. Volume
 - b. Perimeter
 - c. Diameter
 - d. Area

Correct feedback: Yes, the answer is a area

Incorrect feedback: Sorry, the answer is area. Please review the vocabulary for elementary school measurement.

3. Which is the correct label for an area word problem
- a. cm
 - b. cm^2
 - c. cm^3
 - d. None of the above

Correct feedback: Yes, the answer is cm^2

Incorrect feedback: Sorry, the answer is cm^2 . Please review the using tiling and multiplication to determine the area of a polygon PowerPoint.

4. The area around a polygon is called?
- a. Volume
 - b. Perimeter
 - c. Diameter
 - d. Area

Correct feedback: Yes, the answer is a perimeter

Incorrect feedback: Sorry, the answer is perimeter. Please review the vocabulary for elementary school measurement.

5. The amount of space a three dimensional object takes up is called?
- a. Volume
 - b. Perimeter
 - c. Diameter
 - d. Area

Correct feedback: Yes, the answer is volume

Incorrect feedback: Sorry, the answer is volume. Please review the vocabulary for elementary school measurement.

6. Two methods to find the area of a rectangle are
- a. Formula and tiling
 - b. Multiply perimeter by 2
 - c. Drawing the rectangle on graph paper and count the squares
 - d. None of the above

Correct feedback: Yes! Two methods for finding the area of a rectangle are applying the formula and tiling.

Incorrect feedback: Sorry! Two methods for finding the area of a rectangle are applying the formula and tiling. Please review the using tiling and multiplication to find the area of a polygon PowerPoint.

7. Which is a correct label for a volume word problem
- a. cm
 - b. cm^2
 - c. cm^3
 - d. None of the above

Correct feedback: Yes, the correct label for a volume word problem is cm^3

Incorrect feedback: Sorry, the correct label for a volume word problem is cm^3 .

8. Background skills students should practice when using formulas to solve for area, surface area, and volume are
- a. Calculator use
 - b. Order of operations
 - c. Number recognition
 - d. All of the above

Correct feedback: Yes, all of the above skills are background skills students should practice when using formulas to solve for area, surface area, and volume.

Incorrect feedback: Sorry, all of the above skills are background skills students should practice when using formulas to solve for area, surface area, and volume.

9. What is the volume of a rectangular prism with a length of 5in, width of 3in, and a height of 4 in?
- a. 60 in^2
 - b. 60 in^3
 - c. 55 in^2
 - d. 55 in^3

Correct feedback: Yes, the area of the prism is answer 60 in^3

Incorrect feedback: Sorry, the area is 60 in^3 . Please review the finding the volume of three dimensional objects PowerPoint.

10. What is the area of a square with a length of 3 in?
- a. 9 in^2
 - b. 9 in^3
 - c. 6 in^2
 - d. 6 in^3

Correct feedback: Yes, the area of the prism is answer 9 in^2

Incorrect feedback: Sorry, the area is 9 in^2 . Please review the using tiling and multiplication to determine the area of a polygon PowerPoint.