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

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

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

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

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

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

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

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

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.   60in^3
   c.   55 in^2
   d.   55 in^3

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.   6in^3