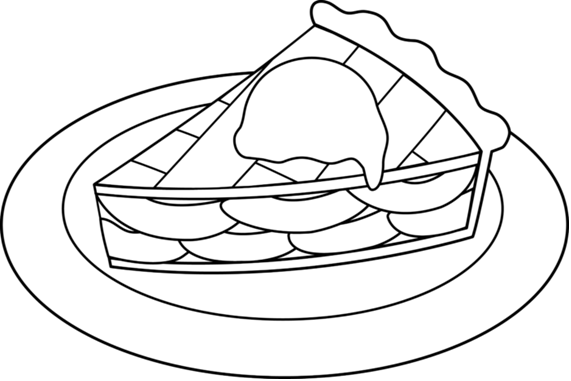
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
**11-6 Surface Areas and Volumes of Spheres – Pi-Day Color Match Activity SE**

****

**Radius**

**Sphere**

**Sphere**

**Directions: Answer the questions. Find your answer on the Apple Pie. Then color according to your answers.**

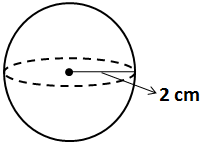
**1.** A set of all points in space that are a fixed distance from a fixed point represent a \_\_\_\_\_\_\_\_\_\_\_. **(YELLOW)  
  
  
2.** The distance between the center of the sphere and any fixed point on the sphere is known as the \_\_\_\_\_\_\_\_\_\_of the sphere. **(RED)**

**3.** The surface area of the sphere is written mathematically as \_\_\_\_\_\_\_\_\_\_\_. **(LIGHT GREEN)**

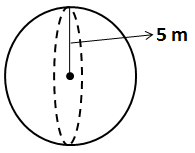
**4.** The surface area of the sphere with diameter is \_\_\_\_\_\_\_\_\_\_\_\_\_ . **(ORANGE)**

**5.** The volume of the sphere is written mathematically as \_\_\_\_\_\_\_\_\_\_\_. **(BROWN)  
   
  
  
6.** The volume of the sphere with radius is \_\_\_\_\_\_\_\_\_\_ **(GREEN)**

**7.** The surface area of the sphere shown below is \_\_\_\_\_\_\_\_\_ . **(PINK)**



**8.** The volume of the pyramid given below is \_\_\_\_\_\_\_\_\_\_\_ . **(LIGHT BLUE)**



**9.** The radius of a sphere with surface area will be \_\_\_\_\_\_\_\_\_\_\_ . **(LIGHT GREEN)  
  
   
  
10.** The volume of a sphere with surface area is \_\_\_\_\_\_\_\_\_\_\_\_ . **(PURPLE)**