Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
**11-4 Volumes of Prisms and Cylinders – Pi-Day Color Match Activity SE
 **

$$640$$

$$640$$

$$72$$

$$72$$

$$72$$

$$40$$

$$40$$

$$40$$

$$40$$

$$32$$

$$32$$

$$32$$

$$840$$

$$840$$

$$840$$

**Volume**

**Cylinder**

$$A=πr^{2}$$

**Bases**

**Pentagonal**

**Directions: Answer the questions. Find your answer on the Pi-Day Symbol. Then color according to your answers.**

**1.** A prism is a polyhedron with two congruent parallel faces called \_\_\_\_\_\_\_\_\_\_. **(ORANGE)

2.** The figure shown below is a \_\_\_\_\_\_\_\_\_\_\_\_\_ prism. **(GREEN)**

 **

3.** The product of the area of the base and height of the prismgives the \_\_\_\_\_\_\_\_\_ of a prism. **(BLUE)**

 **4.** The figure shown below represents a \_\_\_\_\_\_\_\_\_\_\_\_. **(YELLOW)**

 **

5.** The area of a circle is mathematically written as \_\_\_\_\_\_\_\_\_\_. **(LIGHT BLUE)

6.** The volume of the prism given below is \_\_\_\_\_\_\_\_\_\_$ m^{3}.$ **(GREY)

 **

**7.** The volume of the cylinder shown below is \_\_\_\_\_\_\_\_\_$π$ $cm^{3}$. **(BROWN)**

 

**8.** The volume of the prism given below is \_\_\_\_\_\_\_\_\_\_\_ $in^{3}$. **(PINK)**

 

**9.** The volume of the prism given below is \_\_\_\_\_\_\_\_\_ $cm^{3}.$ **(RED)** 

 **10.** The volume of the cylinder given below is \_\_\_\_\_\_\_\_\_$π$ $cm^{3}.$ **(LIGHT GREEN)** 