

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Using Formulas

Using the given formulas, find the unknown value.

Use 3.14 for  $\pi$ . Round to the nearest hundredth if necessary.

1) What is the perimeter of a rectangle with a length of 120 mm and a height of 145 mm?



Find the formula for the \_\_\_\_\_ of a \_\_\_\_\_.



Copy the formula:



Solve to find the unknown value:



State your answer with the correct units:



2) What is the area of a parallelogram with a base of 8 yards and a height of 10 yards?



Find the formula for the \_\_\_\_\_ of a \_\_\_\_\_.



Copy the formula:



Solve to find the unknown value:




State your answer with the correct units:




3) What is the area of a triangle with a base of 7 m and a height of 8 m?

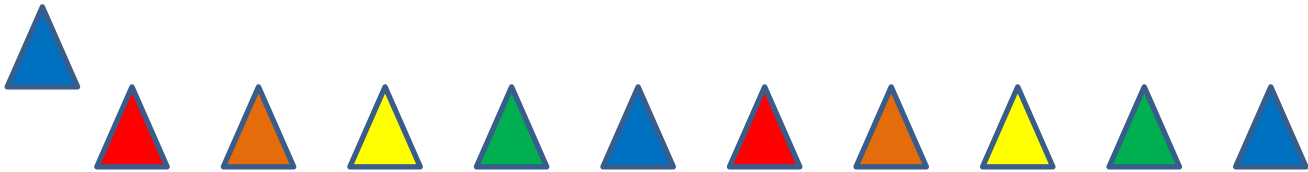
 Find the formula for the \_\_\_\_\_ of a \_\_\_\_\_.

 Copy the formula:


Plug in the known values:


 Solve to find the unknown value:

 State your answer with the correct units:





4) What is the circumference of a circle with a radius of 4 inches?

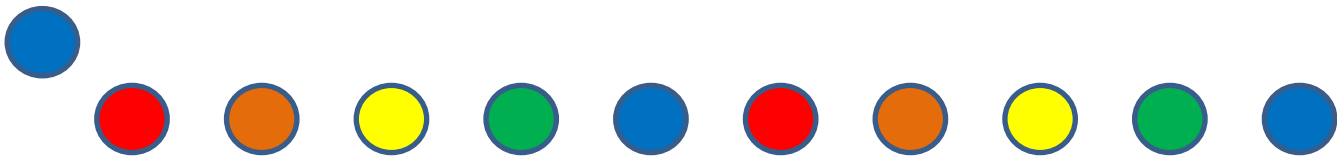
 Find the formula for the \_\_\_\_\_ of a \_\_\_\_\_.

 Copy the formula:


Plug in the known values:

 Solve to find the unknown value:

 State your answer with the correct units:





5) What is the area of a circle with a diameter of 7 cm.

 Find the formula for the \_\_\_\_\_ of a \_\_\_\_\_.

 Copy the formula:


Plug in the known values:


 Solve to find the unknown value:


 State your answer with the correct units:





6) What is the volume of a rectangular prism with a length of 8 m, width of 9 m, and height of 6 m?











 Find the formula for the \_\_\_\_\_ of a \_\_\_\_\_.

 Copy the formula:


 Plug in the known values:


 Solve to find the unknown value:


 State your answer with the correct units:


         


7) What is the volume of a cylinder with a radius of 10 cm and a height of 12 cm?











 Find the formula for the \_\_\_\_\_ of a \_\_\_\_\_.

 Copy the formula:

 Plug in the known values:

 Solve to find the unknown value:

 State your answer with the correct units:

8) What is the volume of a sphere with a radius of 9 ft.?



Find the formula for the \_\_\_\_\_ of a \_\_\_\_\_.

Copy the formula:



Plug in the known values:

Solve to find the unknown value:



State your answer with the correct units:



9) What is the volume of a cone with a diameter of 6 cm and a height of 12 cm?



Find the formula for the \_\_\_\_\_ of a \_\_\_\_\_.

Copy the formula:



Plug in the known values:

Solve to find the unknown value:



State your answer with the correct units:



10) What is the surface area of a cylinder with a radius of 5 ft. and a height of 8 ft.?



Find the formula for the \_\_\_\_\_ of a \_\_\_\_\_.



Copy the formula:



Plug in the known values:



Solve to find the unknown value:



State your answer with the correct units:



11) What is the surface area of a sphere with a diameter of 8 in?



Find the formula for the \_\_\_\_\_ of a \_\_\_\_\_.



Copy the formula:



Plug in the known values:



Solve to find the unknown value:



State your answer with the correct units:

