

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

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

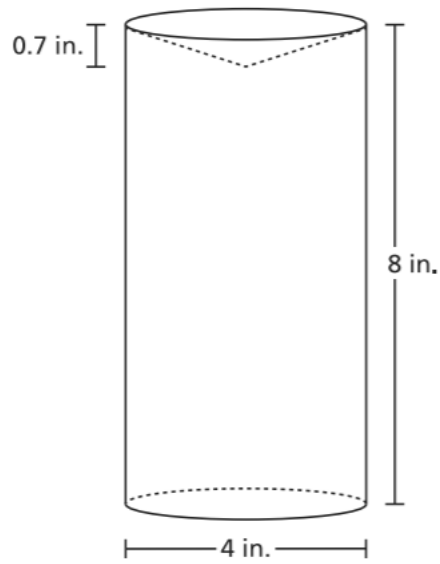
Ms. Streffacio

Class: \_\_\_\_\_

**I can:**

**Do Now (3 minutes to complete):**

The object below is made of solid plastic. It is a cylinder with an indentation at the top in the shape of a cone.

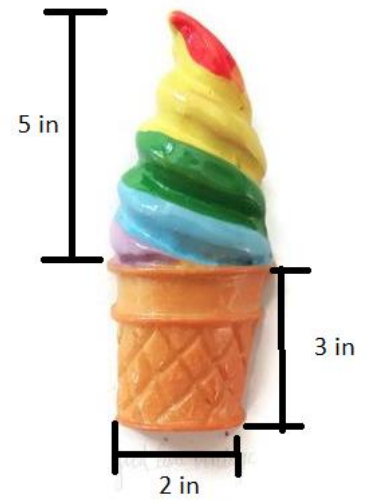


What is the volume, to the nearest tenth of a cubic inch, of the plastic object?

- A 103.5
- B 100.4
- C 97.6
- D 91.7

**Teacher Model (10 minutes) You Watch, Listen, Copy:**

a) What is the volume of the cone (note: this is a cylinder)?



b) What is the volume of the ice-cream (this includes both the ice cream cone shape on top and the ice cream that fills the cylindrical container)?

c) Cones cost \$0.10 each and ice-cream costs \$0.05 per oz. One cubic inch is 0.554113 ounces, calculate the cost of producing this ice cream cone.

d) Based on the cost to produce, how much would you sell this ice cream cone for?

**Check for Understanding- Did you understand the Model? (2 minutes) Teacher will check!**

A small ice cream cone has a cone of ice cream that is only 3 inches high, how much would that cone cost to make?