A. True/False. In the space provided, write T if the statement is true, F if the statement is false.
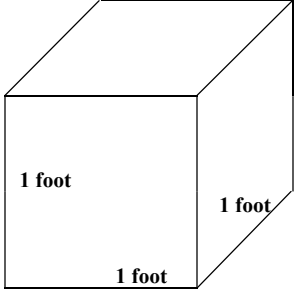
_____ **1.** An **inch** is an Imperial unit of measure equivalent to 1/12 of a foot.

_____ **2.** A **foot** is an Imperial unit of measure equivalent to one third of a yard and having twelve even inches.

_____ **3.** A **yard** is an Imperial unit of measure having three equal feet (36").

_____ **4.** A **cubic yard** is an Imperial unit of measure used for measuring volume that is one yard (36") by one yard (36") by one yard (36").

B. Calculations/labeling. Write the equivalent number of measurement units specified in the spaces provided on the outside of each cube, then write the number of total cubic units specified in the space provided to the right.
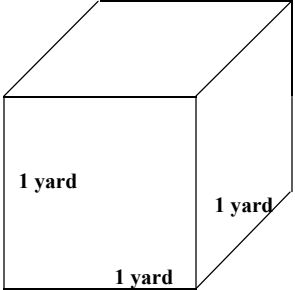
5. How many cubic inches are there in a cubic foot?

Total cubic inches _____

Inches: _____

1 foot

1 foot **Inches:** _____

1 foot

Inches: _____

6. How many cubic feet are there in a cubic yard?

Total cubic feet _____

Feet: _____

1 yard

1 yard **Feet:** _____

1 yard

Feet: _____

7. How many cubic inches are there in a cubic yard?

Inches: _____

1 yard

1 yard

1 yard

Inches: _____

Inches: _____
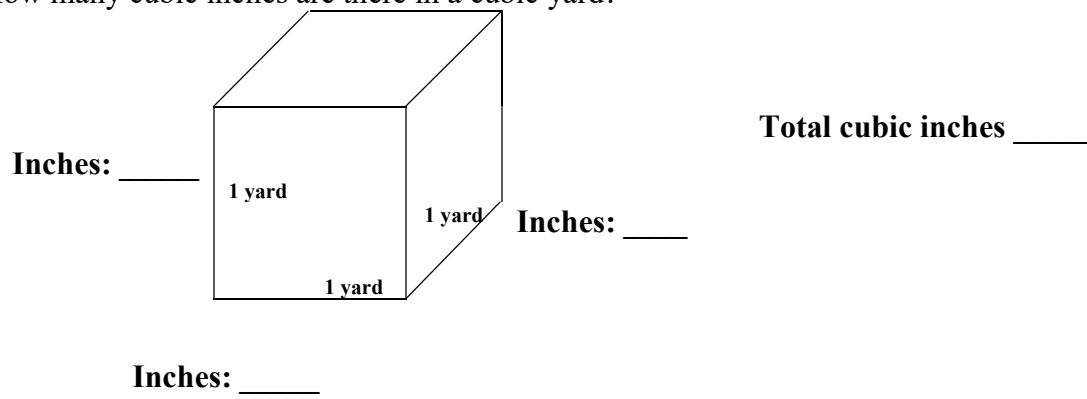
Total cubic inches _____

C. Calculations. Calculate the volume, as specified. Enclose your answer in a box.

8. You have a volume of 3,456 cubic inches. How many cubic feet is that?

9. How many cubic inches are there in the shape below?

8 inches

8 inches

16 inches
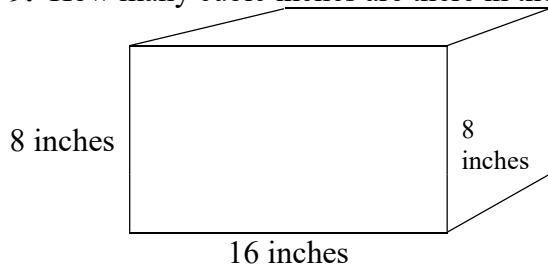
10. How many cubic feet are there in the shape above, number 9?