GRADE 11 ESSENTIAL
UNIT C – 3-D GEOMETRY
VOLUME VARIOUS PRISMS

Name: _____
Date: _____

SHOW WORK!

Get used to being systematic! Show units
Do Puzzle to see if answer is correct!

MrF

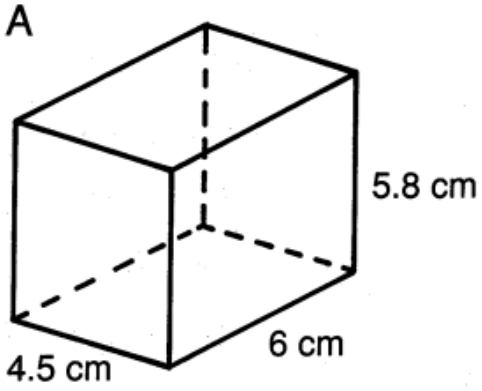
Big '**B**' is the **B**ase Area of the object

What Is Big, Gray, and Lives in California?

Find the volume of each prism. Write the letter of the exercise in the box above the answer

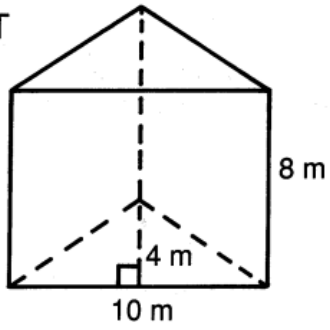
83.8 cm³	357.12 cm³	76.8 cm³	8,800 in.³	92.31 cm³	84.71 cm³	156.6 cm³	114.5 in.³	364.5 m³	7,500 in.³	127.5 in.³	15,000 in.³	390 m³	160 m³	349.22 cm³

A



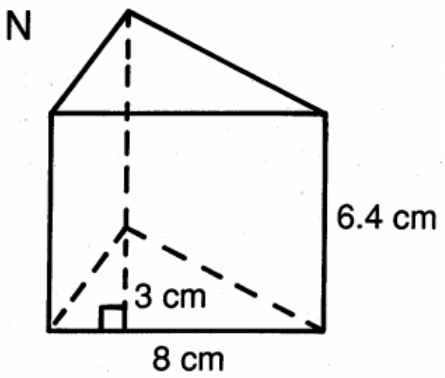
T

Triangular Base
$Vol = Base_{area} \cdot h_{object}$
$= (\frac{1}{2} b_{\Delta} h_{\Delta}) \cdot h_{obj}$
$= \frac{1}{2} \cdot 10m \cdot 4m \cdot 8m$
$= 160\ m^3$

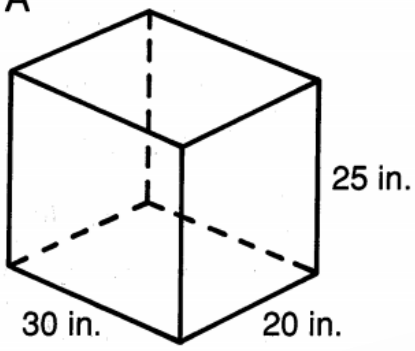


*Do not confuse the **height** of the triangular base face, h_{Δ}, with the **height** of the object.*

N



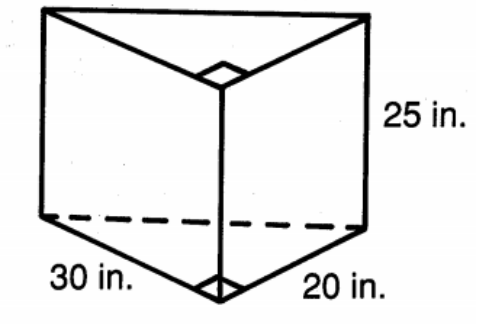
A



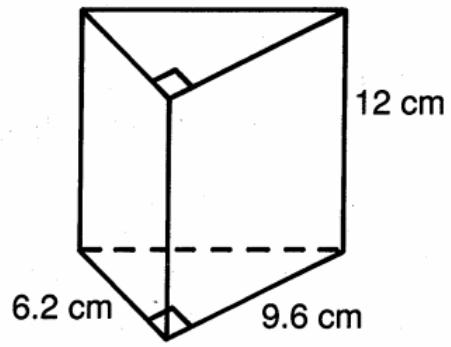
A cubic centimetre, cm^3 is a millilitre, ml

A cubic foot, ft^3 is 1,728 cubic inches, in^3
$12 \cdot 12 \cdot 12 = 1,728$

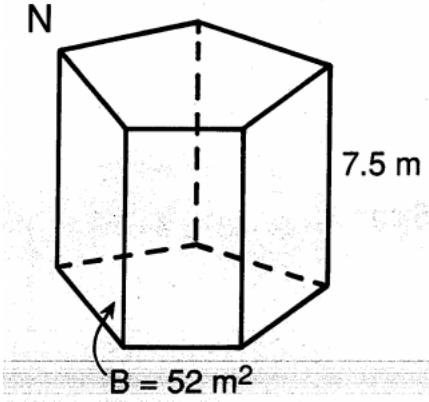
P



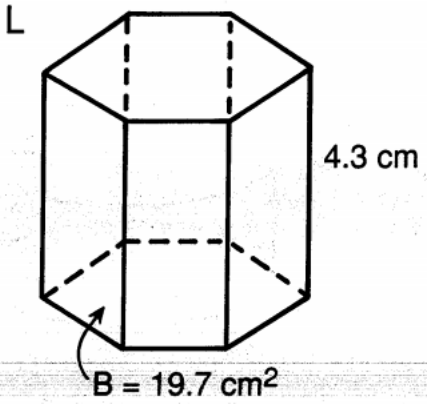
A



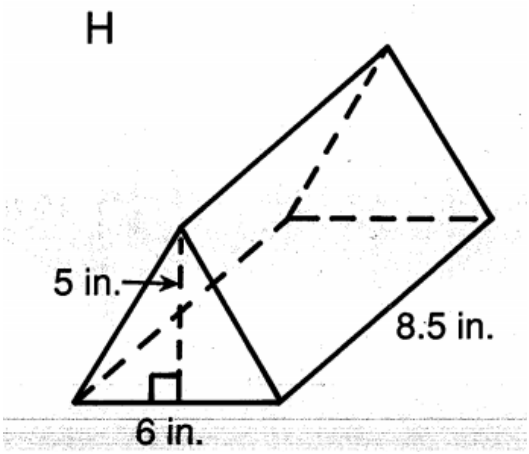
N



L



H



Do your own prism here ↓