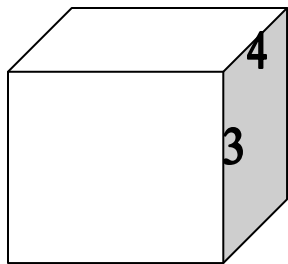


Area and Volume Practice for FINAL

Do not forget proper labels. All items are in centimeters

Calculate the area of the following objects.

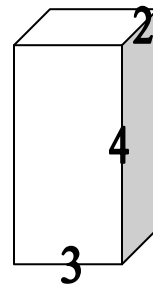
Area of front _____
 Area of back _____
 Area of side 1 _____
 Area of side 2 _____
 Area of top _____
 Area of bottom _____
 Total area → _____



VOLUME _____

5

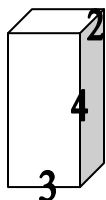
Area of front _____
 Area of back _____
 Area of side 1 _____
 Area of side 2 _____
 Area of top _____
 Area of bottom _____
 Total area → _____



VOLUME _____

Density and Pressure Review

- Write the formula for density.
- If a hunk of metal has a mass of 200g and a volume of 100 cm^3 What is its density?
- If a glass of water has a mass of 80g and a volume of 80 mL What is its density?
- If a glass of alcohol has a volume of 222 mL and a mass of 250g What is its density?
- The mass of this wood block is 20 g. The measurements below are in cm. What is its density? Would it float or sink?



- Write the formula for pressure.
- If a hunk of metal has a weight of 100lb and a bottom surface area of 200 in^2 how much pressure will it exert?
- If a shoe (with a person in it) has a bottom surface area of 24 in^2 and a weight of 125lb how much pressure will it exert?
- If a file cabinet has a weight of 1000 N and a bottom surface area of 2500 cm^2 how much pressure will it exert?
- If a desk has a weight of 100lb and there are 4 legs, how many pounds is each leg supporting?
- Circle the one exerting more pressure

