



**APPROVED**

A DEWITT COMPANY®

# FREIGHT MATH CHEAT SHEET

## VOLUME

First, multiply your length by width by height. This will give you the cubic inches. Then, divide the cubic inches by 1728 (total inches in a cubic foot). This will give you your shipment's total cubic feet.

Example:

$$48'' \times 40'' \times 40'' = 76,800$$

$$\frac{76,800}{1728} = 44cf \leftarrow \text{This is your volume}$$

## DENSITY

Divide weight by cubic volume

Example:

$$500\text{lbs} / 125\text{cf} = 4\text{pcf} \leftarrow \text{Here is your density}$$



**ALWAYS REMEMBER  
45lb RULE**

45 lbs = 1 cubic foot  
If density exceeds 45 lbs per one cubic foot, then chargeable shipping volume will be calculated using:

Total weight divided by 45 lbs = Chargeable volume

### STILL NEED HELP?

Ask us a question at [approvedforwarders.com/contact-us](http://approvedforwarders.com/contact-us)

## FUEL COST

Take Your Ocean Charges \$372

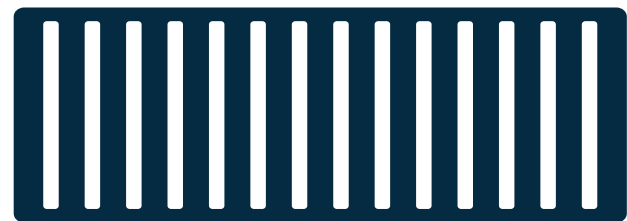
If the fuel surcharge is 25% multiply by 1.25

$$\$372 \times 1.25 = \$465$$

This is your total ocean charge with fuel



## CONTAINER CAPACITY



Standard Container 8ft wide x 8.5 tall  
High Cube Container 8ft wide x 9.5ft tall

### TOTAL CUBIC FEET

20' - 1,179 cu. ft  
40' - 2,393 cu. ft  
45' - 2,714 cu. ft