

**Welcome to the Algava Corporation Import Business:
From Hong Kong to the USA**



Students welcome to an exciting opportunity. You have just started a new job in a very successful import business, The Algava Corporation. Mr. Drew is your boss and he has just given you a very challenging assignment.



And as you can see from this corporate head shot, when he gives an order he means business! So put your thinking caps on and let's get started!

Go outside and explore the container outside Mr. Gow's room

- take paper and pencil outside to record notes
- walk around the container
- look at the sides
- feel how big the container is compared to you

Questions

- How tall and wide is the interior of the container?
- How heavy is it?
- How much tonnage can it hold?
- Where did it come from?
- Why are sides corrugated?
- Is there any special numbers found around the outside of the container?

Here's your first assignment. Mr. Drew wants to import iPads from Hong Kong and he has purchased a shipping container to carry his goods by ship to the USA. The size of the shipping container is 33 feet long, 28 feet wide and 9 feet high. What is the volume of the shipping container?



$$V = l \times w \times h$$

$$V =$$

$$V = \boxed{} \text{ ft}^3$$

Next we need to compute the volume of the iPad shipping package. Its size is 30 inches long x 18 inches wide x 6 in deep. What is the volume of the iPad shipping package?

Mr. Drew's HINT: Don't be a turkey--convert all measurements to feet before computing.



Length $\frac{30 \text{ inches}}{\text{inches}} = \frac{\quad \text{ft}}{1 \text{ ft}}$

Width $\frac{18 \text{ inches}}{\text{inches}} = \frac{\quad \text{ft}}{1 \text{ ft}}$

Height $\frac{6 \text{ inches}}{\text{inches}} = \frac{\quad \text{ft}}{1 \text{ ft}}$

$$V = l \times w \times h$$

$$V =$$

$$V = \boxed{} \text{ ft}^3$$

Are we finished? That's right, not yet! Mrs. Doolan would be very proud of you! We still have to determine how many iPad packages Mr. Drew can fit inside his shipping container.

How will we solve this?



Very good! We'll divide the volume of the shipping container by the volume of the iPad package. Here we go:



Volume of shipping container = _____ ft³

Volume of iPad package = _____ ft³

$$n = \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$$

$n =$

Mr. Drew can ship 4,435 iPads in his shipping container. Congratulations, Students! Be good to your moms on Sunday and be great on your MCAS next week.

If you could say something about a container, what would it be?

- let's go outside and write an ode to a container
- **Write an ode to the container on the next slide**
- share your ode with the class

Ode to a Container

What else can you do with a container?

[Video One](#)

[Video Two](#)

[Video Three](#)