## WHY BOX SIZE MATTERS? ACTUAL WEIGHT VS. DIMENSIONAL (DIM) WEIGHT

-* Hanger
SUPPLY CHAIN

## Dimensional (DIM) Weight

Question: Does FedEx charge the same to ship each of the below boxes?


Answer: No. Larger size items fill up trucks faster, therefore, limiting the number of packages that can be loaded on the truck.

- DIM is an acronym for "Dimensional"
- In 2015 UPS and FedEx started using Dimensional (volumetric) Weight to charge for shipments.
- The formula for DIM weight is (Length X Width X Height) / 194 (Rounded up)
- The price of your shipment is based either on your package's DIM weight or the actual weight of the package, whichever is greater. DIM weight can increase costs by up to $61 \%$.


## Why size matters?

Since the DIM weight is greater than the actual weight of the below shipments, DIM weight is used to calculate charges.


## Which Costs less?



## \$11.64


$\frac{14 \times 8 \times 5}{194 \text { Divisor }}=3$ DIM Weight

Scenario - Shipping 2 smaller boxes or 1 larger box from Chicago Warehouse to Jacksonville, FL

|  | Ground | 2Day AM | Priority Overnight | First Overnight |
| :---: | :---: | :---: | :---: | :---: |
| Cost Per Small Box | 5.82 | 12.56 | 19.08 | 96.26 |
| 2 Small Boxes | 11.64 | 25.12 | 38.16 | 192.52 |
| Large Box | 5.82 | 15.24 | 22.52 | 108.89 |
| \$ SAVINGS | 5.82 | 9.88 | 15.64 | 83.63 |
| \% SAVINGS | 50\% | 61\% | 59\% | 57\% |

