

## Skill Practice 6

# Converting Practice

Name: \_\_\_\_\_  
Date: \_\_\_\_\_

For problems 1-3, please use these conversion factors:

1 pallet = 45 bundles

1 bundle = 32 cases

1 case = 12 cans

1 can = 218.4 mL

1. How many mL of apple juice does the company need to make to fulfill an order for 2.5 pallets?  
**9,434,880 mL**

2. If 46,680 mL of juice are produced, how many cases of juice can be made?

**17.8 cases**

3. A certain store ordered 480 cases of juice. How many pallets were required to ship the order?  
**0.333 cases**

4. Please perform the following conversions.

a) 15.60 cm = **0.1560** m

b) 41.0 kg =  **$4.1 \times 10^{10}$**   $\mu\text{g}$

c) 9.2 cL = **92,000**  $\mu\text{L}$

d)  $9.16 \times 10^{-5}$  m = **91,600** nm

e) 345 mL = **0.345** L

f)  $3.4 \times 10^5$  mg = **0.34** kg

g) 0.057 km = **5700** cm

h) 4500  $\mu\text{g}$  = **4.5** mg

i) 2.14 L = **2140** mL

j) 0.45 mm = **450**  $\mu\text{m}$

5. Why is this conversion impossible? 3.45 mL = \_\_\_\_\_ kg

**You cannot convert liters to grams (without knowing density).**