Skill Practice 6

Converting

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

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

Practice

Hour: \_\_\_\_\_

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?
2. If 46,680 mL of juice are produced, how many cases of juice can be made?
3. A certain store ordered 480 cases of juice. How many pallets were required to ship the order?
4. Please perform the following conversions.

a) 15.60 cm = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m b) 41.0 kg = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ μg

c) 9.2 cL = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ μL d) 9.16 x 10-5 m = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nm

 e) 345 mL = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ L f) 3.4x105 mg = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kg

 g) 0.057 km = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm h) 4500 μg = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mg

 i) 2.14 L = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mL j) 0.45 mm = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_μm

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