

Skill Practice 6

Converting Practice

Name: _____
Date: _____

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

$$1 \text{ pallet} = 45 \text{ bundles}$$

$$1 \text{ bundle} = 32 \text{ cases}$$

$$1 \text{ case} = 12 \text{ cans}$$

$$1 \text{ can} = 218.4 \text{ mL}$$

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) $15.60 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

b) $41.0 \text{ kg} = \underline{\hspace{2cm}} \mu\text{g}$

c) $9.2 \text{ cL} = \underline{\hspace{2cm}} \mu\text{L}$

d) $9.16 \times 10^{-5} \text{ m} = \underline{\hspace{2cm}} \text{ nm}$

e) $345 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

f) $3.4 \times 10^5 \text{ mg} = \underline{\hspace{2cm}} \text{ kg}$

g) $0.057 \text{ km} = \underline{\hspace{2cm}} \text{ cm}$

h) $4500 \mu\text{g} = \underline{\hspace{2cm}} \text{ mg}$

i) $2.14 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

j) $0.45 \text{ mm} = \underline{\hspace{2cm}} \mu\text{m}$

5. Why is this conversion impossible? $3.45 \text{ mL} = \underline{\hspace{2cm}} \text{ kg}$