

Name: Class:

Compare and convert customary units of volume



a. Convert 7 tablespoons to fluid ounce

b. Which is larger, 250 fluid ounces or 3 gallons?

c. Convert 24 tablespoons to teaspoons.

d. Which is bigger, 72 ounces or 5 pounds?



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**a.** Convert 7 tablespoons to fluid ounce

If 2 tablespoons = 1 fluid ounce,

then 7 tablespoons = $\frac{7 \times 1}{2} = \frac{7}{2}$ fluid ounces.So, 7 tablespoons = $3\frac{1}{2}$ fluid ounces.**b.** Which is larger, 250 fluid ounces or 3 gallons?

Let's first of all convert to one customary unit and then compare.

let's convert gallons to fluid ounces.

If 1 gallon = 128 fluid ounces,

then 3 gallons = $\frac{128 \times 3}{1} = 384$ fluid ounces

So, since 384 fluid ounces is greater than 250 fluid ounces,

it implies that, 3 gallons is larger than 250 fluid ounces.

c. Convert 24 tablespoons to teaspoons.

If 1 tablespoon = 3 teaspoons,

then 24 tablespoons = $\frac{24 \times 3}{1} = 72$ teaspoons.

So, 72 teaspoons = 24 tablespoons.

d. Which is bigger, 72 ounces or 5 pounds?

Let's first of all convert to one customary unit and then compare.

let's convert ounces to pounds.

If 16 ounces = 1 pound,

then 72 ounces = $\frac{72 \times 1}{16} = \frac{72}{16}$ pounds

$$\begin{array}{r} 4 \\ 16 \overline{) 72} \\ \underline{-64} \\ 8 \end{array} = 4\frac{8}{16} \text{ pounds} = 4\frac{1}{2} \text{ pounds.}$$

Since $4\frac{1}{2}$ pounds is less than 5 pounds, it implies that 5 pound is bigger than 72 ounces.