## 4.MD.A. 1 Convert Customary Units for Liquid Volumes

4.MD.A.1: Know relative sizes of measurement units within one system of units

1. Convert the units to fill in the blanks.
a. 1 pint $=$ $\qquad$ cups
d. 1 tablespoon $=$ $\qquad$ teaspoons
b. 1 gallon $=$ $\qquad$ quarts
e. 1 cup = $\qquad$ fluid ounces
c. 1 quart $=$ $\qquad$ pints
f. 3 teaspoons $=$ $\qquad$ tablespoon
2. Complete each of the conversion tables.

| Pints (pt) | 5 |  |  | 17 | 30 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Cups (c) |  | 14 | 30 |  |  |


| Teaspoons (tsp) | 9 |  | 39 | 57 |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Tablespoons (tbsp) |  | 4 |  |  | 11 |


| Gallons (gal) | 4 | 10 |  | 13 |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Quarts (qt) |  |  | 64 |  | 100 |


| Cups (c) |  | 3 | 7 |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Fluid ounces (fl oz) | 16 |  |  | 72 | 88 |


| Quarts (qt) | 2 | 7 |  |  | 23 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Pints (pt) |  |  | 36 | 100 |  |

3. Is it possible that the two containers have the same capacity? Explain with examples.

## Solution:

4. Uncle Ben got 5 gallons of cow's milk from the farm. How many pints of cow's milk does he have?

## Solution:

5. The gas tank of Daniel's car can hold 16 gallons of gasoline. How many quarts can the tank hold?

## Solution:

6. True or False. 1 pint $=2$ cups $=8$ fluid ounces?

## tutorified

## 4.MD.A. 1 Convert Customary Units for Liquid Volumes

## Answer Key

4.MD.A.1: Know relative sizes of measurement units within one system of units

1. Convert the units to fill in the blanks.
a. 1 pint $=$ $\qquad$ cups
d. 1 tablespoon $=$ $\qquad$ teaspoons
b. 1 gallon $=$ $\qquad$ 4 quarts
e. 1 cup $=$ $\qquad$ fluid ounces
c. 1 quart $=2$ pints
f. 3 teaspoons $=$ $\qquad$ tablespoon
2. Complete each of the conversion tables.

| Pints (pt) | 5 | 7 | 15 | 17 | 30 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Cups (c) | 10 | 14 | 30 | 34 | 60 |


| Teaspoons (tsp) | 9 | 12 | 39 | 57 | 33 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Tablespoons (tbsp) | 3 | 4 | 13 | 19 | 11 |


| Gallons (gal) | 4 | 10 | 16 | 13 | 25 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Quarts (qt) | 16 | 40 | 64 | 52 | 100 |


| Cups (c) | 2 | 3 | 7 | 9 | 11 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Fluid ounces (fl oz) | 16 | 24 | 56 | 72 | 88 |


| Quarts (qt) | 2 | 7 | 18 | 50 | 23 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Pints (pt) | 4 | 14 | 36 | 100 | 46 |

3. Is it possible that the two containers have the same capacity? Explain with examples.

4. Uncle Ben got 5 gallons of cow's milk from the farm. How many pints of cow's milk does he have?
```
40 pints
```

5. The gas tank of Daniel's car can hold 16 gallons of gasoline. How many quarts can the tank hold?

## 64 quarts

6. True or False. 1 pint $=2$ cups $=8$ fluid ounces?
