

# LEMONADE STAND MATH

# 1

## ANSWERS

You and your friends run a lemonade stand every day during the summer. You are in charge of keeping track of the volume of lemonade sold. Given the number of cups sold each day, use division to express the number of cups sold in gallons, quarts, and cups.

Follow the example below. Refer to the **conversion box** to convert your units correctly. Show and check your work.



### Conversion Box

Gal = Gallons  
Qt = Quarts  
C = Cups

1 Gal = 16 C  
1 Qt = 4 C

Mon.

Cups sold: 38

1st: Find the number of gallons using division.

$$1 \text{ G} = 16 \text{ C} \quad \begin{array}{r} 2 \\ 16 \overline{)38} \\ \underline{-32} \\ 6 \end{array} \quad \text{R:6} \quad \underline{\quad} \text{ Gal}$$

2nd: Convert the remaining 6 cups into quarts. The remainder is the number of cups left over.

$$1 \text{ Q} = 4 \text{ C} \quad \begin{array}{r} 1 \\ 4 \overline{)6} \\ \underline{-4} \\ 2 \end{array} \quad \text{R:2} \quad \underline{\quad} \text{ Qt}$$

Tues. Cups sold: 28

1 Gal 3 Qt 0 C

Wed. Cups sold: 22

1 Gal 1 Qt 2 C

Thurs. Cups sold: 40

2 Gal 2 Qt 0 C

Fri. Cups sold: 54

3 Gal 1 Qt 2 C

Sat. Cups sold: 142

8 Gal 3 Qt 2 C

Sun. Cups sold: 108

6 Gal 3 Qt 0 C