

Create a Problem 3

Name _____

Planning a Family Reunion Picnic

Marika and Phillip were asked by their mother to help with a big family reunion picnic. Together they drew up a family tree and started to count the children and grandchildren so they knew how many to invite.

There were **4** in Marika's family. Their Uncle Bill had **15** in his family, including Aunt Carolyn. Uncle Jack had a total of **20**. Aunt Laverne never married, so she counted as **1**. Dad's brother Paul had **22** in his family. Aunt Susan could bring **13** altogether. Marika decided to send every person an invitation, even herself.

Phillip bought **three** cookies and **one** soda for each person invited to the party. Aunt Carolyn made bowls of potato salad and Aunt Laverne brought fresh fruit. Uncle Jack brought some fresh fish for those who didn't like burgers.

The day before the picnic Marika learned that **17** of those invited could not come. She was sure there wouldn't be too much food, because some of the boys would eat enough for **2** or **3** people! She bought sufficient hamburgers so each person at the picnic could have **two**.



Fill in the numbers or words.

Marika's family 4. Paul's family has 22 people.
 Bill's family has 15 people. Jack's family has 20 people.
 People not able to attend 17. Aunt Laverne brought fresh fruit.
 Two hamburgers per person Aunt Susan is bringing 13 altogether.

How many picnic invitations were sent?

$$\begin{array}{r} 4 \\ 15 \\ 20 \\ 1 \\ 22 \\ + 13 \\ \hline 75 \end{array}$$

75 invitations

Some of the people invited could not attend. How many were able to come?

$$75 - 17 = 58$$

58 people

What fractional part of the invited guests did not come?

$$\frac{17}{75}$$

1 150

$$\begin{array}{r} 75 \\ 58 \\ + 17 \\ \hline 150 \end{array}$$

How many cookies were purchased for the picnic?

$$\begin{array}{r} 75 \\ \times 3 \\ \hline 225 \end{array}$$

225 cookies

How many hamburgers did Marika buy?

$$\begin{array}{r} 75 \\ - 17 \\ \hline 58 \end{array} \quad \begin{array}{r} 58 \\ \times 2 \\ \hline 116 \end{array}$$

116 hamburgers

How many people are in Jack's and Bill's families?

$$\begin{array}{r} 20 \\ + 15 \\ \hline 35 \end{array}$$

35 people

2 376

$$\begin{array}{r} 225 \\ 116 \\ + 35 \\ \hline 376 \end{array}$$

Write a story problem from the information in the story and answer your question.

If the cookies were bought by the dozen, how many dozen were needed?

$$12 \overline{)225} \begin{array}{l} 18 \text{ r}9 \\ \underline{216} \\ 9 \end{array} = 19 \text{ dozen cookies}$$