Food for All

Activity

Roimata's whānau is hosting a hui on their marae. They are getting te whare kai ready. There will be 14 kaumātua and speakers at the top table. There is also room for 16 tables that each seat 9 people and 2 tables that each seat 8 people.

1. How many people could be seated in the room?

2. Roimata is helping her parents to organise the food. Each person will get 5 pieces of vegetable, 3 slices of meat, and 4 pieces of fruit. How many pieces of vegetable, slices of meat, and pieces of fruit does the whānau need to provide?

3. If Roimata allows 3 biscuits for each person and there are 12 biscuits in a packet, how many packets of biscuits does she need?

   Hmm, what's an easy way to estimate the number of packets I'm going to need?

4. a. Roimata estimates that most of the people will drink about 300 millilitres of water at the meal. How much water is needed?

   Make sure we have enough water jugs, Roimata. We don't want to have to keep going out and refilling jugs!

   b. How many 2 litre jugs are needed for the water for the visitors?

   There are 1 000 millilitres in a litre, so I'm using an easy number to work out how many jugs we need.

5. Roimata decides to put out the fruit in bowls and the biscuits on plates on each table. How many pieces of fruit and how many biscuits should she put on each table?

Glossary

Hui: a meeting
Marae: meeting area
Whānau: extended family
Te whare kai: the dining room
Kaumātua: leaders

Solving problems involving multiplication and division