


## Date Dilema

What date suits most people? Why?
We think because that's when that wind come in and when it hits 29 its gonna get stronger

## Holding a Vote

## Activity

The school needs to decide what to do with the money that they raise at the gala. The students have a vote.

Here are the results.

| Books for <br> the library |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Kapa haka <br> costumes | Computer <br> equipment | Sports <br> equipment | Trip to <br> Wellington |  |  |
| Room 2 | 10 | 6 | 0 | 1 | 0 |
| Room 3 | 7 | 13 | 2 | 2 | 0 |
| Room 4 | 7 | 7 | 7 | 2 | 2 |
| Room 5 | 2 | 5 | 6 | 12 | 1 |
| Room 6 | 3 | 1 | 2 | 8 | 1 |
| Room 7 | 1 | 0 | 2 | 2 | 14 |
| Room 8 | 11 | 9 | 1 | 4 | 15 |
| Room 9 | 5 | 5 | 7 | 4 | 2 |
| Totals | 53 | 50 | 39 | 39 | 38 |

Sa calculator (optional)
a. Find the total number of votes for each choice.
b. What is the most popular choice?
c. What is the least popular choice?
2. Why do you think Rooms 6 and 7 voted the way they did?
a. With your classmates, vote for the choices above.
b. Add your class's votes to the Te Rata School votes. Does this change what the most popular choice is?

## Holding a vote

1. 

a. Find the total number of votes for each choice (fill in the table)
b. What is the most popular choice?
c. What is the least popular choice?
2. Why do you think room 6 and 7 voted the way they did?
3. Trip to willington 18
a. With your classmates, vote for the choices above.
b. Add your classmates votes to the Te Rata school votes. Does it change what the most popular choice is?

Holding a vote graph


|  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## How Many People?

The principal thinks that 1000 people will come to the gala.

a. Room 5

We think one-quarter of the people at the gala will have a ride on the merry-go-round.
c. Room 7 About half the people will play Throw the Gumboot.

e. Room 9 Lots of people get hungry at a gala. Three-quarters of the people will visit the food stall.

b. Room 6 One-fifth of the people will go to the ball-throwing stall.

## d. Room 8

Children like having their faces painted. About half the people at the gala will be children, and about half the children will have their faces painted.

2. Write down two of your own ideas for the gala and estimate what fraction of the people will go to those activities.
Ask a classmate to work out how many people that will be.

## How many people?

1. Look at the ideas some of the students had. How many people do they think visit each activity?
A. Room 9 (Stan Food)
B. Room 7 (GumBoots)
C. Room 8(Face Painted)
D. Room 6 ( Throwing Balls in the hall way)
E. Room 5 ( Riding the merry)
2. Write down two of your own ideas for the gala and estimate what fraction of the people will go to those activities. Ask a classmate to work out how many that will be.
Idea 1

Idea 2

Gala-Level 2-3
Temfic Treats

You need $\boldsymbol{\square}$ a classmate
Øa calculator the ingredients and equipment for lemon cordial

Activity One
Room 2 are making fudge. They are using Mikala's mother's recipe. Here are the ingredients:

2 tablespoons golden syrup 100 grams butter $1 \frac{1}{2}$ cups packed brown sugar 1 can sweetened condensed milk 1 teaspoon vanilla essence 75 grams dark chocolate $1 \frac{1}{2}$ cups chopped nuts, coconut, or dried fruit (optional)

1. This recipe is enough for about six boxes of fudge. How much of each ingredient would you need for:
a. $\quad 12$ boxes?
b. 120 boxes?
2. The fudge in these tins has been cut up. Can you work out how many pieces of fudge are in each tin without counting each piece of fudge?
a.

b.

c.


## Terrific treats

1. This recipe is enough for about 6 boxes of fudge. How much of each ingredient would you need for:
a. 12 boxes
b. 120 boxes
2. Can you work out how many pieces of fudge are in each tin without counting each piece of fudge?
a. 50
b. 28
c. 77

3. Follow these instructions to make your own box.

- Carefully pull apart two or three different-shaped boxes and look at the nets.
- Design a net for a smaller version of your box on square grid paper.
- Cut out the net and make up the box.
- If you like the design, enlarge the net and copy it onto cardboard. The base needs to be at least 5 centimetres by 5 centimetres square.
- If you don't like your box, design another net.


Now you are ready to decorate the net and make it up.

- Make a stencil to use to decorate the net.
- Use the stencil to decorate one face of the net.
- Translate, reflect, or rotate the design onto the other faces of the net.
- Tape your box together.
- Show your box to a classmate and describe your design.



## Making Boxes




## Activity

Last year, Te Rata School held their gala in a nearby park that was this size and shape:

$$
60 \text { metres }
$$

100 metres
75 metres

30 metres

Mm


They need the same area this year as they had last year.
Is there enough room on the playing field for the gala? How do you know?

## Is there room?

1. Is there enough room on the playing field for the gala? How do you know?

There is enough room for the gala because half of the school can go on field 1 and the other half can do it on field 2 and the switch over each time

Working out:
$90 \mathrm{~m} / 60 \mathrm{~m}=150$
$60 \mathrm{~m} / 100 \mathrm{~m}=160$
$75 \mathrm{~m} / 30 \mathrm{~m}=105$
$30 \mathrm{~m} / 25 \mathrm{~m}=55$
$150 m+160 m+105 m+55 m=470 m$

