



Activity

The students, parents, and teachers at Te Rata School are having a gala to raise money for their school. They have to decide which Saturday in November to have it.

Discuss with a classmate which date suits most people and why that date is best.



There is a parade through town on the first Saturday of the Three teachers are going to a wedding on the second Saturday.



There are usually strong winds in the last 2 weeks of November.





Room 4's teacher is going to hospital for a week on 3 November.

month.

Rooms 6 and 7 are on camp from 14 to 18

November.





Te Rata is hosting a big vintage car rally from 14 to 18 November.

Rooms 2 and 3 have kapa haka practice on the third and fifth Saturdays.



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

You need Z classmates

☑ a calculator (optional)

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



- a. Find the total number of votes for each choice.
- b. What is the most popular choice?
- c. What is the least popular choice?

Why do you think Rooms 6 and 7 voted the way they did?

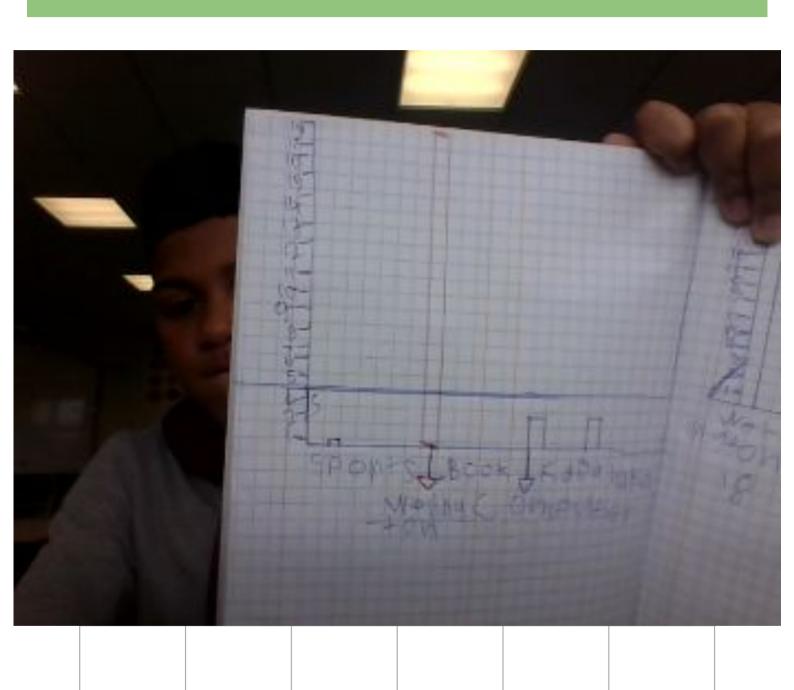
- a. With your classmates, vote for the choices above.
- b. Add your class's votes to the Te Rata School votes. Does this change what the most popular choice is?

Holding a vote

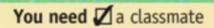
1.

- a. Find the total number of votes for each choice (fill in the <u>table</u>)
- 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 <u>Te Rata</u> <u>school votes</u>. Does it change what the most popular choice is?

Holding a vote graph



How Many People?



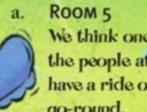
✓ a calculator

The principal thinks that 1 000 people will come to the gala.



I wonder which activities will be the most popular?

Here are the ideas that some of the students had. How many people do they think will visit each activity?



We think one-quarter of the people at the gala will have a ride on the merrygo-round.

ROOM 7 About half the people will play Throw the Gumboot.

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

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.



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



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.

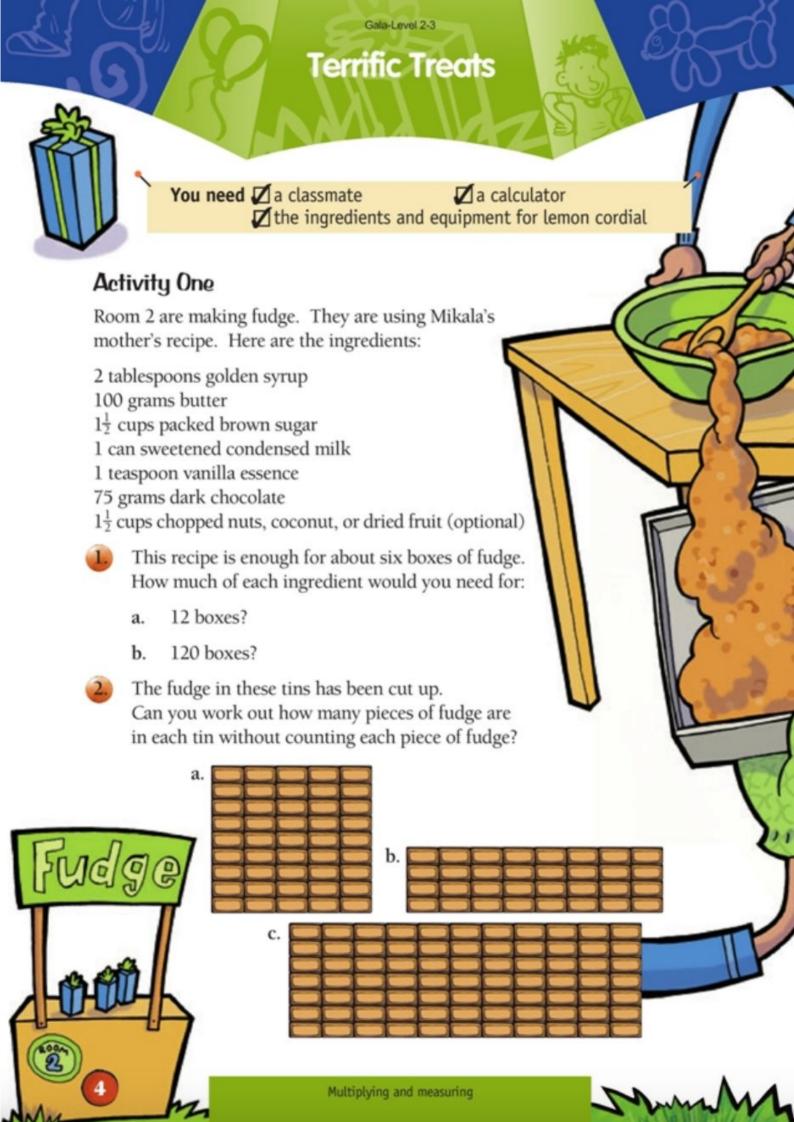


How many people?

- 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

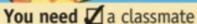
Idea 2



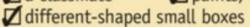
Terrific treats

- 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

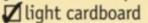
Making Boxes



☑ paints, crayons, or felt-tip pens



Zscissors Ztap



🛮 a ruler

square grid paper





A net is a pattern of polygons that can be folded up to form a solid shape called a polyhedron.

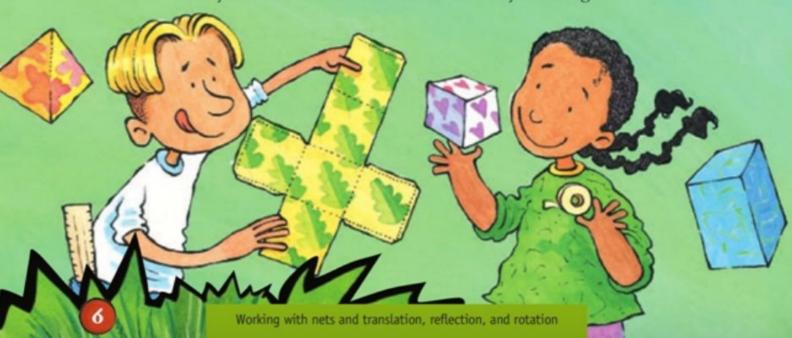
Room 7 are making boxes to put sweets in.

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.

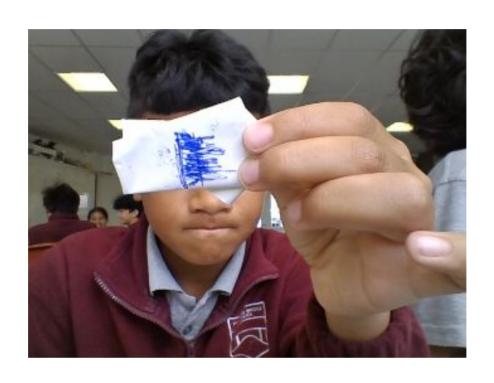
Now you are ready to decorate the net and make it up.

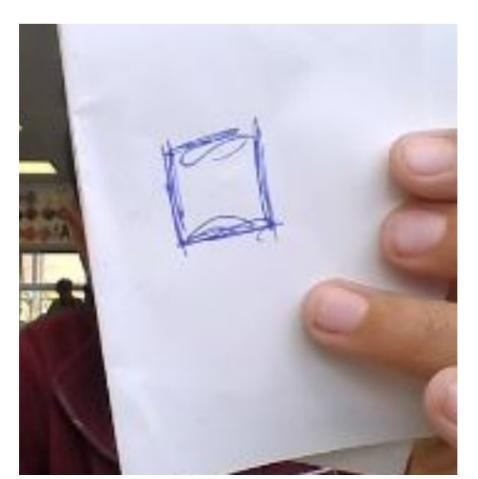
- Make a stencil to use to decorate the net.
- Use the stencil to decorate one face of the net.
- Translate, reflect, or rotate the design onto the other faces of the net.
- Tape your box together.
- Show your box to a classmate and describe your design.

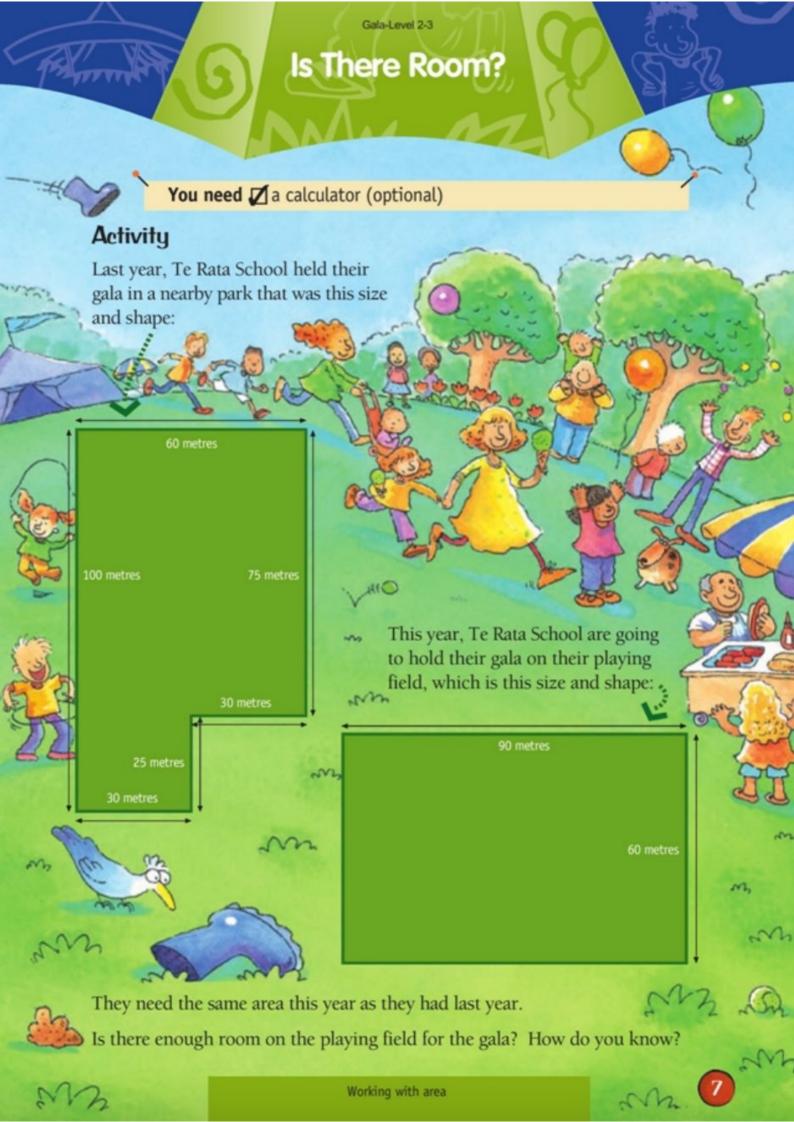




Making Boxes







Is there room?

 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:

$$90 \text{ m} / 60 \text{ m} = 150$$

$$75 \, \text{m} / 30 \, \text{m} = 105$$