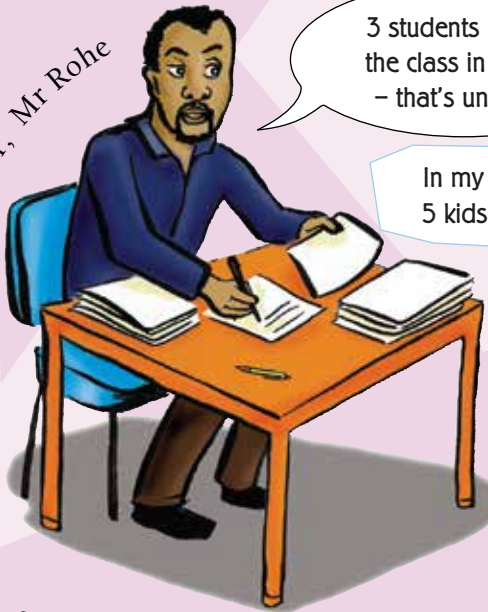


Moving Survey

You need a computer spreadsheet

a classmate

The teacher, Mr Rohe



3 students leaving the class in 1 term – that's unusual!

In my cousin's class, 5 kids left in 1 term.



I think only 1 girl left my class last term.



Let's do a survey to find out!



Activity

The class surveys other classes in the school to see how many students had left each term.

Mika made a table to record the results:

Number of students leaving school in a term									
Room	Term 1	Term 2	Term 3	Term 4	Room	Term 1	Term 2	Term 3	Term 4
1	4	2	1	2	6	3	1	0	0
2	3	1	1	4	7	0	5	1	0
3	1	3	1	1	8	1	1	0	0
4	0	1	0	1	9	2	4	0	2
5	2	1	1	2	10	2	0	1	5

- Mika wanted to find the median number of students leaving in a term. Mr Rohe suggested he draw a tally chart to find out.
 - Copy and complete the chart:

Number of students leaving in a term	Tally
0	
1	
2	
3	
4	
5	



To find the median from a tally chart, just cross off the same number of tallies at the top and bottom of the chart. Keep doing this until you reach the middle tally mark.

Number of students leaving in a term	Tally
0	
1	
2	
3	
4	
5	



- b. Find the median using the tally chart.
- c. Why do you think Mr Rohe suggested drawing a tally chart?

2. Display the information from the tally chart on a bar graph. Use a computer spreadsheet to make your graph.
3.
 - a. What was the mode (most common number) of students leaving during a term?
 - b. How can you tell what the mode is from:
 - i. a bar graph?
 - ii. a tally chart?
4. Do the results show that it is unusual to have 3 students leaving in a term?

On average, about 1.5 students leave their class each term.

How can 0.5 of a person leave a class? Is it that their body leaves but their legs don't?

5. What do you think Robert means?



Investigation

1. Survey each class in your school to find out how many students left last term.
2. Display your results effectively.
3. Find the mode and median number of leavers per class.
4. If you did the same survey in other schools, do you think your results would be very different? Explain why or why not.