

- a Eddy wants to know the favourite colours of his classmates.
He **plans** an **investigation** to find out the answer.



- Step 1: *I need to ask questions to collect the information.
I should ask, "What is your favourite colour?"
I should ask all my classmates.*
- Step 2: *I can make a list of colours and put tally marks next to them
as I go round the class to ask each classmate.*
- Steps 3 and 4: *The colour with the most number of tally marks is the
favourite colour of the class and is the answer I am looking for.*

- b Izzy wants to know the favourite toys of her friends.
She carries out an **investigation** to find out the answer.
She asks her friends



"What is your favourite toy?" is a **non-statistical** question.
It has only one answer. ←

"What are the favourite toys of my friends?" is a **statistical** question.
It has more than one answer. ←

non-statistical question means it has only one answer

statistical question means it has more than one answer

non-statistical question



one answer only

statistical question



possible
answer 1

possible
answer 2

possible
answer 3

possible
answer 4

Examples of non-statistical and statistical questions:

non-statistical	statistical
1. How old are you?	1. How old are the students in the school bus?
2. When is your birthday?	2. When are the birthdays of grade 2 students?

Let's Practise

I Eli and Jin both want to be the class leader.

Order the steps to take.

- 2 Record the results in a tally chart.
- 5 Find out who the class wants to be their leader.
- 3 List the results.
- 4 Find out who has the higher number of tallies.
- 1 Ask the class to choose Eli or Jin to be the leader.

- 2 Ron wants to know which animals his classmates like.
- a Who should he ask? **his classmates**
 - b What question should Ron ask?


Write a statistical and a non-statistical question.

What animal do you like? (Non-statistical Question)

What animals do my classmates like? (Statistical Question)

- 3 Caz wants to know how Stage 2 students go to school.



- a Who is Caz asking the question? **stage 2 students**
-  b How can you improve the question?

Write a new question to ask the Stage 2 students.

How do you go to school?