

STATISTICS

A COLLECTING DATA

A.1 CHOOSING SURVEY QUESTIONS

MCQ 1: Which question helps you find out how many people in your class like chocolate?

- ☐ When did you last eat chocolate?
- ☐ What chocolate do you like?
- ☐ What is your favourite dessert?
- ☐ Do you like chocolate?

MCQ 2: Which question helps you find out the most popular ice-cream flavour in your class?

- ☐ Where do you buy ice-cream?
- ☐ How popular is ice-cream?
- ☐ What is your favourite ice-cream flavour?
- ☐ Do you like ice-cream?

MCQ 3: Which question helps you find out how many people in your class have a pet?

- ☐ What is your favourite pet?
- ☐ Where does your pet sleep?
- ☐ When did you get your pet?
- ☐ Do you have a pet?

MCQ 4: Which question helps you find out how much the students in your class like the Commeunjeu Math platform, using these answers: "dislike a lot," "dislike a bit," "not sure," "like a bit," or "like a lot"?

- ☐ When do you use the Commeunjeu Math platform?
- ☐ Where do you use the Commeunjeu Math platform?
- ☐ What do you learn on the Commeunjeu Math platform?
- ☐ How much do you like the Commeunjeu Math platform?

MCQ 5: Which question helps you find out the most popular sport in your class?

- ☐ Where do you play sports?
- ☐ How often do you play sports?
- ☐ What is your favourite sport?
- ☐ Do you like to play sports?

MCQ 6: Which question helps you find out how much the students in your class like going on field trips, using these answers: "dislike a lot," "dislike a bit," "not sure," "like a bit," or "like a lot"?

- ☐ How much do you like going on field trips?
- ☐ When do you go on field trips?
- ☐ Where do you go on field trips?
- ☐ What do you do on field trips?

A.2 TALLYING DATA

Ex 7: In his class, Hugo asks the students: "Do you have a sibling?"

The results are: Yes, No, Yes, Yes, Yes, No, No, Yes, Yes, Yes, No.

Complete the table

Sibling	Total
Yes	
No	

Ex 8: In his class, Léo asks the students: "Do you prefer playing indoors or outdoors during recess?"

The results are: Outdoors, Indoors, Outdoors, Indoors, Outdoors, Outdoors, Indoors, Outdoors, Indoors, Outdoors.

Complete the table

Preference	Total
Outdoors	
Indoors	

Ex 9: In her class, Clara asks the students: "Do you like to eat vegetables for lunch?"

The results are:

- **Yes:** Emma, Noah, Lila, Tom.
- **No:** Mia, Leo, Sam.

Complete the table

Preference	Total
Yes	
No	

Ex 10: In her class, Clara asks the students: "What is your favorite pet?"

The results are:

- **Cat:** Emma, Noah, Lila.
- **Dog:** Tom, Mia, Leo, Sam.
- **Reptile:** Zoe, Ben.

Complete the table

Pet	Total
Cat	
Dog	
Reptile	

Ex 11: In her class, Clara asks the students: "What is your favorite color?"

The results are:

- **Red:** Emma, Tom, Zoe.
- **Blue:** Noah, Mia, Leo, Sam.
- **Yellow:** Lila, Ben.

Complete the table

Color	Total
Red	
Blue	
Yellow	

A.3 CONDUCTING SIMPLE SURVEYS

Ex 12: In his class, Hugo asks the students: "What is your favorite pet?"

Complete the table

Pet	Number of Students	Total
Cat		
Dog		
Reptile		

How many students are asked?

students

Which pet is the most popular?

- ☐ Cat
☐ Dog
☐ Reptile

Ex 13: In her class, Lia asks the students: "What is your favorite color?"

Complete the table

Color	Number of Students	Total
Red		
Blue		
Green		

How many students are asked?

students

Which color is the most popular?

- ☐ Red
☐ Blue
☐ Green

Ex 14: In her class, Mia asks the students: "What is your favorite fruit?"

Complete the table

Fruit	Number of Students	Total
Apple		
Orange		
Banana		

How many students are asked?

students

Which fruit is the most popular?

- ☐ Apple
☐ Orange
☐ Banana

Ex 15: In her class, Zoé asks the students: "Who do you vote for as class representative?"

Complete the table

Candidate	Number of Votes	Total
Emma		
Liam		
Noah		

How many students voted?

students

Who is elected as the class representative?

- ☐ Emma
☐ Liam
☐ Noah

A.4 WRITING A SURVEY QUESTION

Ex 16: Write a survey question about food preferences.

Ex 17: Write a survey question about favorite school subjects.












Ex 18: Write a survey question about weekend activities.

B REPRESENTING DATA

B.1 INTERPRETING PICTOGRAPHS

Ex 19: In his class, Hugo asks the students: "What do you fear the most?"

He represents the result with a pictograph

5				
4				
3				
2				
1				
	Spider	Monster	Shark	Ant

How many students select shark as the most feared?

students

Which is the most feared?













- ☐ Spider
☐ Monster
☐ Shark

Which is the least feared?

- ☐ Spider
☐ Ant
☐ Shark

Ex 20: In his class, Hugo asks the students: "What is your favorite fruit?"

He represents the result with a pictograph

5				
4				
3				
2				
1				
	Lemon	Orange	Apple	Cherry

How many students select orange as favorite fruit?

students

Which fruit is the most popular?












- ☐ Lemon
☐ Orange
☐ Apple

Which fruit is the least popular?

- ☐ Lemon
☐ Orange
☐ Apple

Ex 21: In his class, Hugo asks the students: "What is your favorite food?"

He represents the result with a pictograph

5				
4				
3				
2				
1				
	Carrot	Cucumber	Corn	Potato

How many students select corn as favorite food?

students

Which food is the most popular?

- ☐ Carrot
☐ Cucumber
☐ Corn

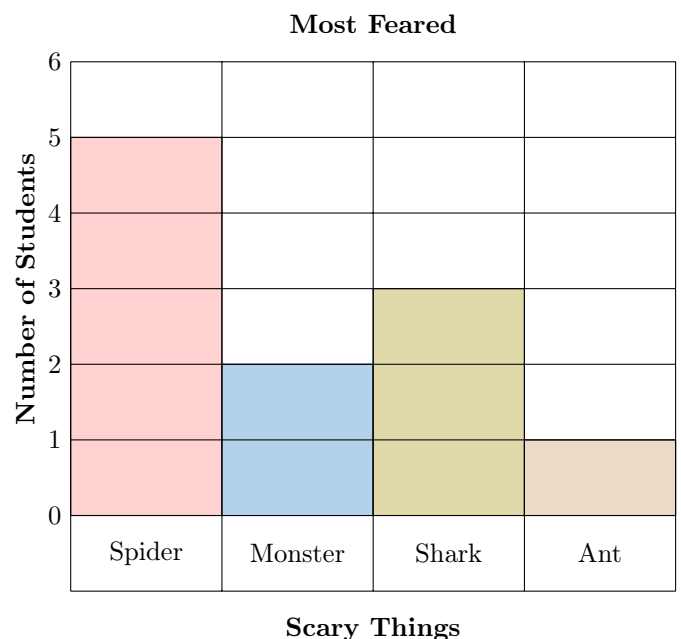
Which food is the least popular?

- ☐ Carrot
☐ Potato
☐ Corn

B.2 INTERPRETING BAR CHARTS

Ex 22: In his class, Hugo asks the students: "What do you fear the most?"

He represents the result with a bar chart:



How many students select shark as the most feared?



Which is the most feared?

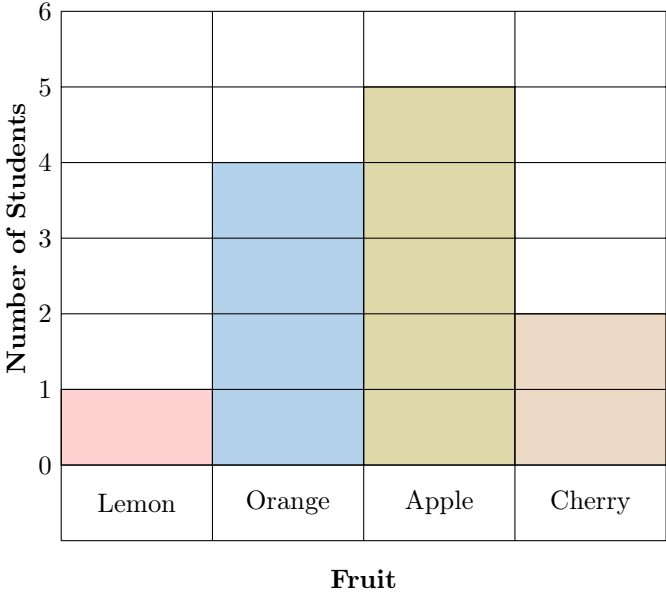
- ☐ Spider
- ☐ Monster
- ☐ Shark

Which is the least feared?

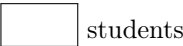
- ☐ Spider
- ☐ Ant
- ☐ Shark

Ex 23: In his class, Hugo asks the students: "What is your favorite fruit?"
He represents the result with a bar chart:

Favorite Fruits



How many students select orange as favorite fruit?



Which fruit is the most popular?

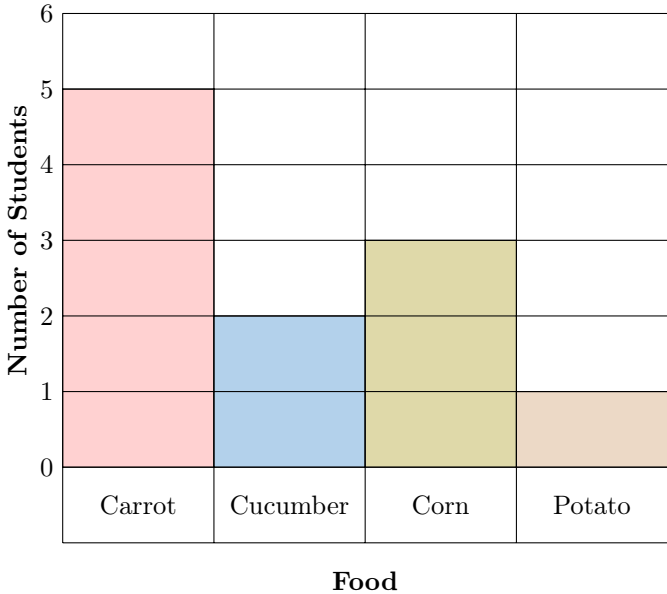
- ☐ Lemon
- ☐ Orange
- ☐ Apple

Which fruit is the least popular?

- ☐ Lemon
- ☐ Orange
- ☐ Apple

Ex 24: In his class, Hugo asks the students: "What is your favorite food?"
He represents the result with a bar chart:

Favorite Foods



How many students select corn as favorite food?



Which food is the most popular?

- ☐ Carrot
- ☐ Cucumber
- ☐ Corn

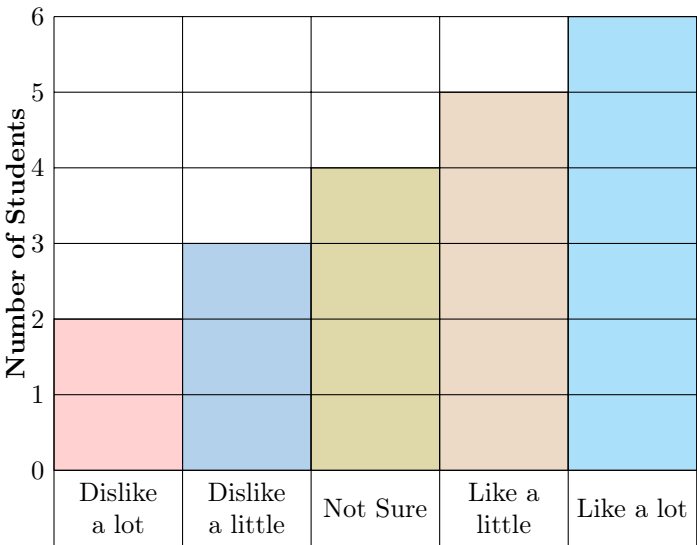
Which food is the least popular?

- ☐ Carrot
- ☐ Potato
- ☐ Corn

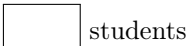
B.3 INTERPRETING BAR CHARTS

Ex 25: In his class, Hugo asks the students: "How much do you like eating fruit?"
He represents the result with a bar chart:

Liking Fruit



How many students like eating fruit "Not Sure"?



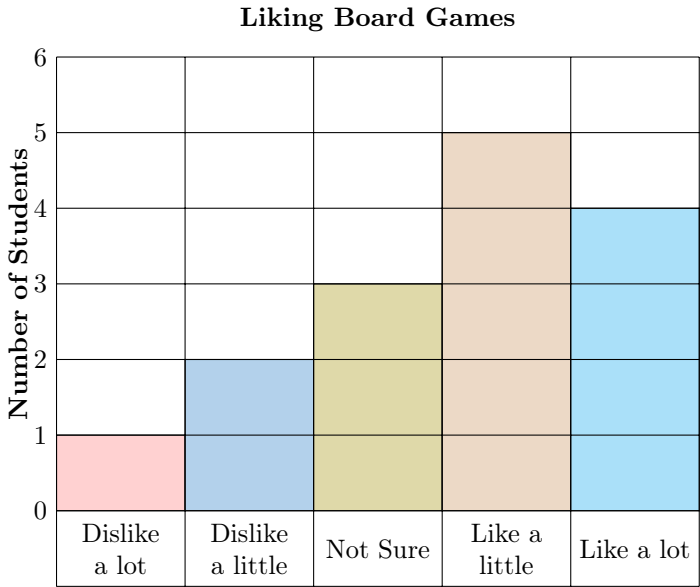
Which feeling is the most common?

- ☐ Dislike a lot
- ☐ Dislike a little
- ☐ Not Sure
- ☐ Like a little
- ☐ Like a lot

Which feeling is the least common?

- ☐ Dislike a lot
- ☐ Dislike a little
- ☐ Not Sure
- ☐ Like a little
- ☐ Like a lot

Ex 26: In his class, Hugo asks the students: "How much do you like playing board games?"
He represents the result with a bar chart:



How many students like playing board games "Not Sure"?

students

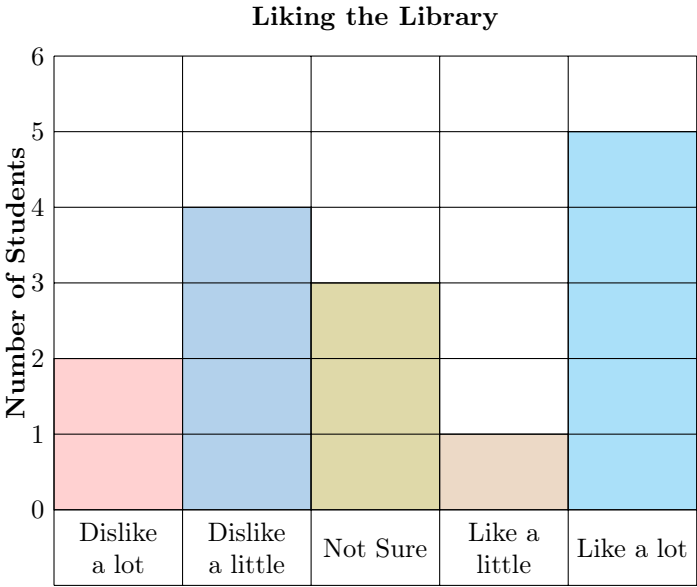
Which feeling is the most common?

- ☐ Dislike a lot
- ☐ Dislike a little
- ☐ Not Sure
- ☐ Like a little
- ☐ Like a lot

Which feeling is the least common?

- ☐ Dislike a lot
- ☐ Dislike a little
- ☐ Not Sure
- ☐ Like a little
- ☐ Like a lot

Ex 27: In his class, Hugo asks the students: "How much do you like visiting the library?"
He represents the result with a bar chart:



How many students like visiting the library "Dislike a little"?

students

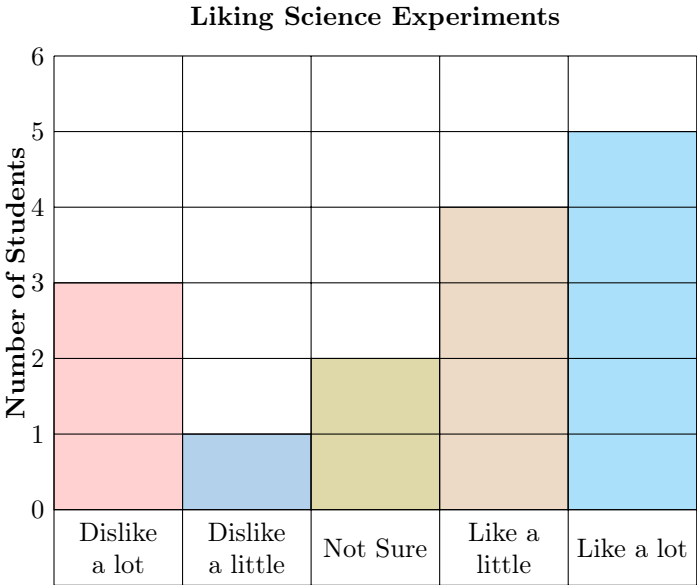
How many students either "Like a little" or "Like a lot"?

students

How many more students chose "Like a lot" than "Dislike a lot"?

students

Ex 28: In his class, Hugo asks the students: "How much do you like doing science experiments?"
He represents the result with a bar chart:



How many students like doing science experiments "Like a little"?

students

How many students either "Dislike a lot" or "Dislike a little"?

students

How many more students chose "Like a little" than "Not Sure"?

students

