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?
$\hfill\Box$ When did you last eat chocolate?
□ What chocolate do you like?
\square What is your favourite dessert?
$\hfill\Box$ Do you like chocolate?
MCQ 2: Which question helps you find out the most popular ice-cream flavour in your class?
\Box Where do you buy ice-cream?
\square How popular is ice-cream?
$\hfill\square$ What is your favourite ice-cream flavour?
$\hfill\Box$ Do you like ice-cream?
MCQ 3: Which question helps you find out how many people in your class have a pet?
\square What is your favourite pet?
\square Where does your pet sleep?
\square When did you get your pet?
\square 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"?
$\hfill\square$ When do you use the Commeunjeu Math platform?
$\hfill\square$ Where do you use the Commeunjeu Math platform?
$\hfill\Box$ What do you learn on the Commeunjeu Math platform?
$\hfill\square$ How much do you like the Commeunjeu Math platform?
MCQ 5: Which question helps you find out the most popular sport in your class?
\square Where do you play sports?
\Box How often do you play sports?
\square What is your favourite sport?
\square 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"?
\Box How much do you like going on field trips?
\square When do you go on field trips?
☐ Where do you go on field trips?

 \square 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, Yes, No, No, Yes, Yes, Yes, No.

Complete the table

Sibling	Total	
Yes		
No		

 \mathbf{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, Outdoors.

Complete the table

Preference	Total	
Outdoors		
Indoors		

 \mathbf{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	

 \mathbf{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		

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

Complete the table

How many students voted?

Candidate	Number of Votes	Total
Emma	# I	
Liam		
Noah		

students

 \square Emma

 \square Liam

 \square Noah

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	# 1		
Reptile			

students

Which pet is the most popular?

 \square Cat

 \square Dog

 \square Reptile

 $\mathbf{Ex}\ \mathbf{13:}\$ In her class, Lia asks the students: "What is your favorite color?"

Complete the table

Color	Number of Students	Total	
Red			
Blue	##		
Green			

TT		students		119
-1000	manv	STHUDDIES	21.0	askeni

students

Which color is the most popular?

 \square Red

□ Blue

 \square 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	d	t	Ĺ							L	L	l	l	Į	l	1	1																					ί	ί		ί	ί	ί														ί	ί	ί	ί	ί	ί	ί										ί	ί					ί	ί	ί	ί	ί	ί	ί	ί	ί				ı	(١	١	;		3	3	2	ξ	(ζ	Ł		ì		٤	٤	j	l	3	ĉ	:				;	2	ϵ	(•	ľ]	J.	ı	а	ć			S	nt
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students

Which fruit is the most popular?

 \square Apple

 \square Orange

□ Banana

Δ4	WRITING	Δ	SURVEY	QUESTION
A.4	VVINITING	м	SONVEI	QUESTION

Who is elected as the class representative?

$\mathbf{E}\mathbf{x}$	16:	Write a	survey	question	about	food	preferences.

				_	_		_
$\mathrm{Ex}\ 17$: Write	a survey	question	about	favorite	school	subjects

Ex 18: Write a survey question about weekend activities.

B REPRESENTING DATA

B.1 INTERPRETING PICTOGRAPHS

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

He represents the result with a pictograph



				4	ļ
	1	2	3	4	5
Spider	75k	The state of the s	The state of the s	A.	K.
Monster					
Shark					
Ant	377				

How many students select shark as the most feared?

students

Which is the most feared?

 \square Spider

 \square Monster

 \square Shark

Which is the least feared?

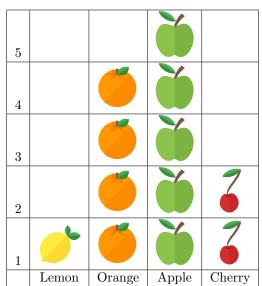
 \square Spider

 $\square \ \mathrm{Ant}$

□ Shark

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

He represents the result with a pictograph



How many students select orange as favorite fruit?

students

Which fruit is the most popular?

	□ Le	mon
	\square Or	ange
	\Box Ap	ple
Which	fruit is the least popular?	•
	□ Le	mon
	\square Or	ange
	\square Ap	ple

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?

Which food is the most popular?

☐ Carrot
☐ Cucumber

 \square Corn

Which food is the least popular?

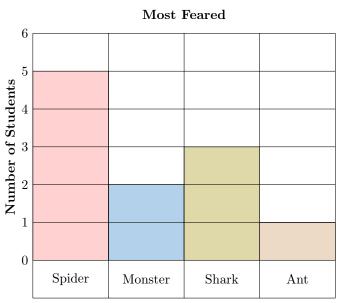
□ Carrot
□ Potato

 \square Corn

B.2 INTERPRETING BAR CHARTS

 \mathbf{Ex} $\mathbf{22:}$ In his class, Hugo asks the students: "What do you fear the most?"

He represents the result with a bar chart:



Scary Things

3

How m	an	y students s	elect shark as	the most fea	ared?			Fa	vorite F	oods	
			stu	dents		6					
Which	is	the most fea	red?			1 ts					
			\square Spide	r		$\begin{array}{ccc} \textbf{Number of Students} \\ & 2 & 5 \\ & & \end{array}$					
			□ Monst			5 3					
			□ Shark			oer (
Which	is	the least fea	red?			dun's					
			\square Spide	er		Z , 1					
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favorite	e fr	uit?"	Hugo asks t ilt with a bar		"What is you	r			Food		
пс тер	ıcs	ents the rest	ne wien a bai	chart.		How ma	ny studer	nts select co	orn as favo	orite food?	
	6 ┌		Favorite	e Fruits					studen	ts	
						Which fo	ood is the	most popi	ılar?		
	5								Carrot		
den	$_4$								Cucumber Corn		
Stu						Which fo	ood is the	e least popu			
Number of Students	3 -					Willen R	Jou is the		\Box Carrot		
тре	2 -								Potato		
	1								Corn		
	1 -					B.3 II	NTERPR	ETING BA	AR CHAR	TS	
	0	Lemon	Orange	Apple	Cherry		In his clas	ss, Hugo as	ks the stu	dents: "How	much do y
			Fri	uit				result with	a bar ch	art:	
			_					I	Liking Fr	uit	
How m	an	y students s	elect orange a	as favorite fru	iit?	6					
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Which	fru	it is the mo	st popular?			of Students					
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Which feeling is the most common? Liking the Library 6 \square Dislike a lot \Box Dislike a little 5 □ Not Sure Number of Students \square Like a little ☐ Like a lot Which feeling is the least common? \square Dislike a lot \Box Dislike a little □ Not Sure 1 \square Like a little ☐ Like a lot 0 Dislike Dislike Like a Not Sure Like a lot a lot a little little Ex 26: In his class, Hugo asks the students: "How much do you like playing board games?" How many students like visiting the library "Dislike a little"? He represents the result with a bar chart: Liking Board Games students 6 How many students either "Like a little" or "Like a lot"? students 5 Number of Students 3How 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: Liking Science Experiments 6 0 Dislike Dislike Like a 5 Not Sure Like a lot Number of Students a lot a little little How many students like playing board games "Not Sure"? students Which feeling is the most common? \square Dislike a lot \Box Dislike a little □ Not Sure 0 ☐ Like a little Like a Dislike Dislike Not Sure Like a lot ☐ Like a lot a little little a lot Which feeling is the least common? How many students like doing science experiments "Like a little"? ☐ Dislike a lot \square Dislike a little students \square Not Sure How many students either "Dislike a lot" or "Dislike a little"? ☐ Like a little students \square Like a lot How many more students chose "Like a little" than "Not Sure"? Ex 27: In his class, Hugo asks the students: "How much do you like visiting the library?" students

He represents the result with a bar chart: