## **STATISTICS**

## A COLLECTING DATA

## A.1 TALLYING DATA

Ex 1: 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		

**Ex 2:** 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		

**Ex 3:** 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

ĺ	Preference	Total	
	Yes		
	No		

Ex 4: 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 5: 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.2 CONDUCTING SIMPLE SURVEYS

Ex 6: In his class, Hugo asks the students: "What is your favorite pet?"

Complete the table

Pet	Number of Students	r	Total	
Cat				
Dog	#1			
Reptile				

How many students are asked?

	students
	Students

Which pet is the most popular?

 $\square$  Cat

 $\square$  Dog

□ Reptile

 $\mathbf{Ex}$  7: In her class, Lia asks the students: "What is your favorite color?"

Complete the table

ĺ	Color	Number of Students	Total	_
	Red	III		
	Blue			
	Green			

How many students are asked?

students

Which color is the most popular?

 $\square$  Red

□ Blue

 $\square$  Green

 $\mathbf{Ex}$ 8: 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?

stude	nts
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Whic	ich fruit is the most popular?				$\square$ Spider						
		$\square$ App	ole		□ Monster						
		□ Ora			$\square$ Shark						
		□ Ban	_		Which is the least feared?						
					$\square$ Spider						
	: In her class, Zo		tudents: "Who	o do you vote for	<del>-</del>						
	ass representative	?"						$\square$ Sharl	k		
Comp	lete the table										
	Candidate			otal	Ex 11: In his class, Hugo asks the students: "What is your favorite fruit?"						
	Emma		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					lt with a pict	tograph		
	Liam				P	_					
	Noah										
How	many students ve	oted?					5				
	J					r			*		
		S	tudents								
Who	Who is elected as the class representative?					F	4				
	$\Box$ Emma										
	□ Liam						3				
	□ Noah								*	7	
							2			6	
P DEDDESENTING DATA					F	2					
Б	B REPRESENTING DATA										
D 1	B 1 INTERDRETING DICTOCRADUS					1					
Б.1	B.1 INTERPRETING PICTOGRAPHS		Lemon   Orange   Apple   Cherry								
		lugo asks th	e students: "V	Vhat do you fear	How man	ıy	students se	elect orange a	as favorite	fruit?	
	nost?" epresents the resu	ılt with a ni	ictograph					stu	dents		
	presents the rest	iic wich a pi							aciros		
	26				Which fru	uit	is the mos	st popular?			
	1 7 PK							□ Lemo			
5								$\square$ Orang	_		
	(/							$\square$ Apple	Э		
	~~				Which fru	uit	is the leas	st popular?			
	· D							□ Lemo	n		
4								□ Orang	ge		
	~6.							$\square$ Apple	e		
	JE				P 10						
3			44.,		Ex 12: favorite fo	In	his class, d?"	Hugo asks t	he studen	ts: "What	ıs your
	<b>~</b> (c	$\mathbf{Q}\mathbf{Q}$						lt with a pict	tograph		
	70°		1			1	20				
2		Leage	Self-VI		5	5					
	(-	00			4	1					
	X		4	2		$\top$					
	'Ye	Spiral		777	3	3					
1	Spider	Monster	Shark	Ant							
					2	2		E		_	
How	w many students select shark as the most feared?			ared?	4						
		st	udents		1	L	Carrot	Cucumber	Corn	Potato	
7771 .	1. :_ 41.				ш.						_
vv nic	th is the most fea	How many students select corn as favorite food?									

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		stu	idents				Favorite	e Fruits				
Which fo	ood is the mo	ost popular?			$^{6}$							
		□ Carrot	5		<b>t</b> :							
		□ Cucum	aber		uden 4							
		□ Corn			f Stu							
Which fo	ood is the lea	st popular?			Number of Students							
		$\square$ Carr			quir 2							
		□ Pota □ Corn			$ar{oldsymbol{z}}_1$							
B.2 II	NTERPRETI	NG BAR CH	IARTS		0	Lemon	Orange	Apple	Cherry			
Ex 13: In his class, Hugo asks the students: "What do you fear he most?"					L		Fr	uit				
He repre	sents the res	ult with a bar	r chart:		How man	y students s	elect orange a	as favorite fr	ait?			
0							stu	dents				
6					Which fruit is the most popular?							
<b>5</b>							□ Lemo	n				
dent 4						□ Orange						
Number of Students					☐ Apple Which fruit is the least popular?							
					WHICH IF	uit is the lea		an.				
$^2$					□ Lemon □ Orange							
							$\square$ Apple	e				
1					Ex 15:	In his class	, Hugo asks t	the students:	: "What is y			
0					favorite f	ood?"	ult with a bar		v			
	Spider	Monster	Shark	Ant	ne repres	sents the res	Favorite					
		Scary	Things		6		Favorio	Foods	T			
How ma	ny students s	alact shark as	s the most fea	arod?	-							
ilow ilia.	ny students s	Elect Shark a	3 the most let	arca.	$^{5}$							
		stu	idents		lapn 4							
Which is	the most fea	ared?			Number of Students							
		$\square$ Spide	er		er c							
		□ Mons			dun 2							
		☐ Shark	2		<b>Z</b> 1							
Which is	the least fea	ared?										
		□ Spid	.er		0	Carrot	Cucumber	Corn	Potato			
		$\square$ Ant $\square$ Shar	·k			202100						
		∟ Shar	n				Fo	od				
		, Hugo asks	the students:	"What is your	How man	y students s	elect corn as	favorite food	?			
favorite i He repre		ult with a bai	r chart:				stu	dents				

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Which	food	is	the	most	popular?
					$\square$ Carrot
					$\square$ Cucumber
					$\square$ Corn
Which	food	is	the	least	popular?
					$\square$ Carrot
					$\square$ Potato
					$\square$ Corn