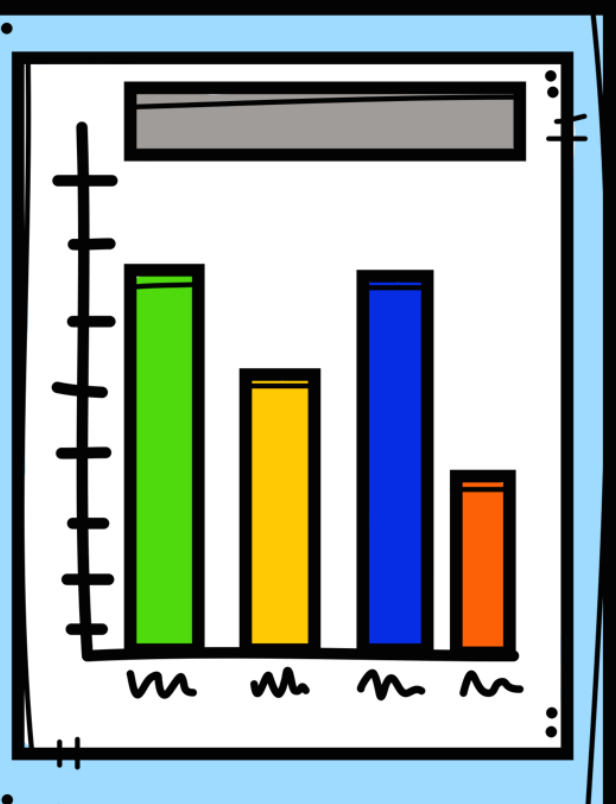


# Fun with

# GRAPHING



Choose a game:

**BAR  
GRAPHS**

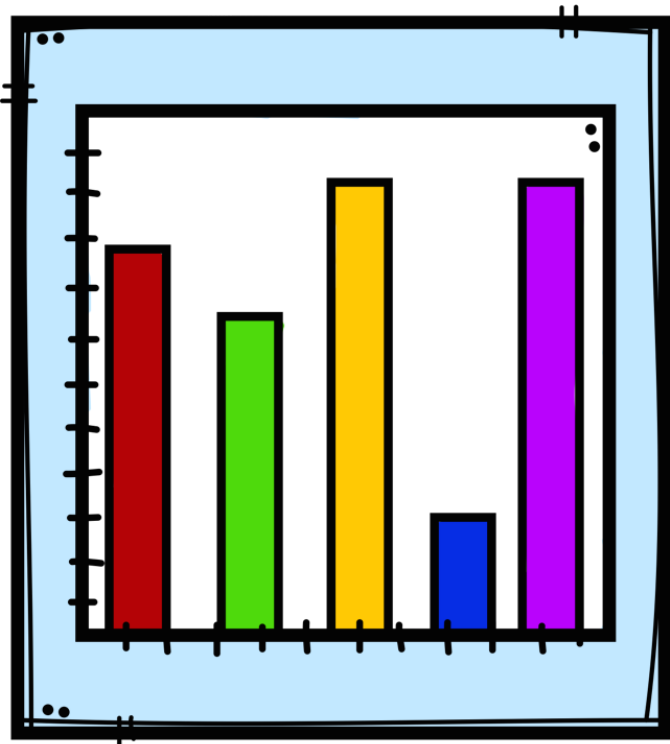
**PICTOGRAPHS**

**TABLES**

**LABELING  
GRAPHS**

# Bar

# GRAPHS



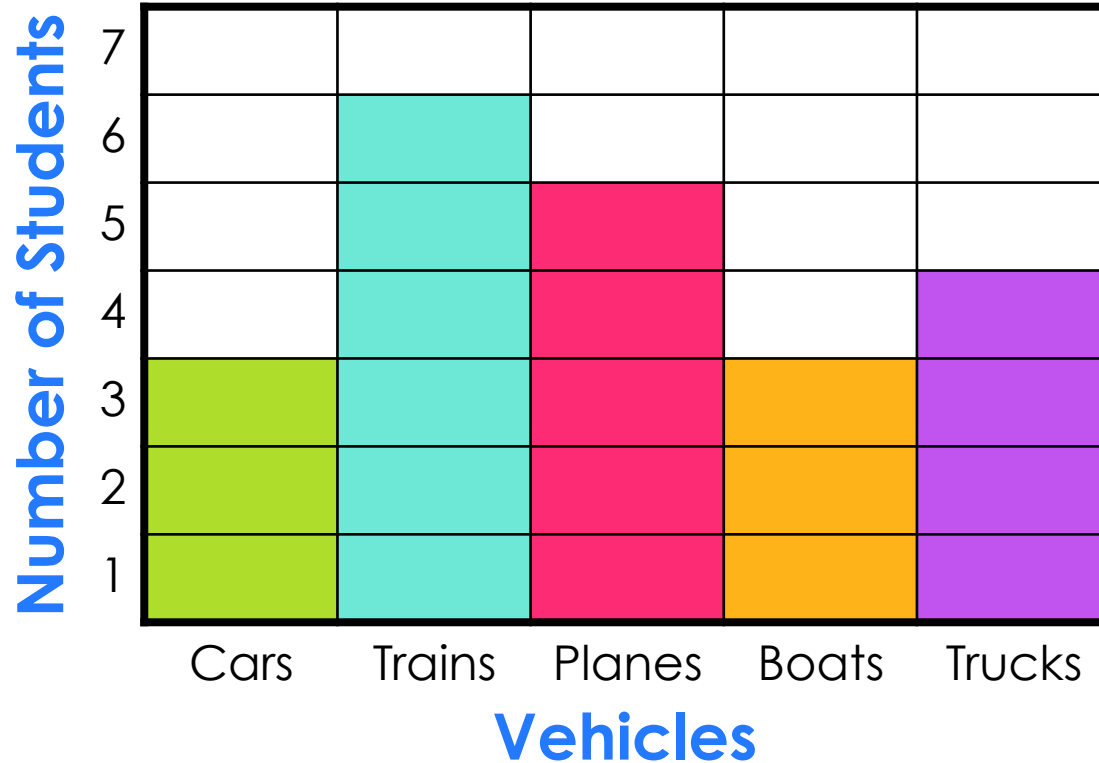
Ready to get started?

yes,  
Please!

1

How many students like trains?

Transportation



3

6

5

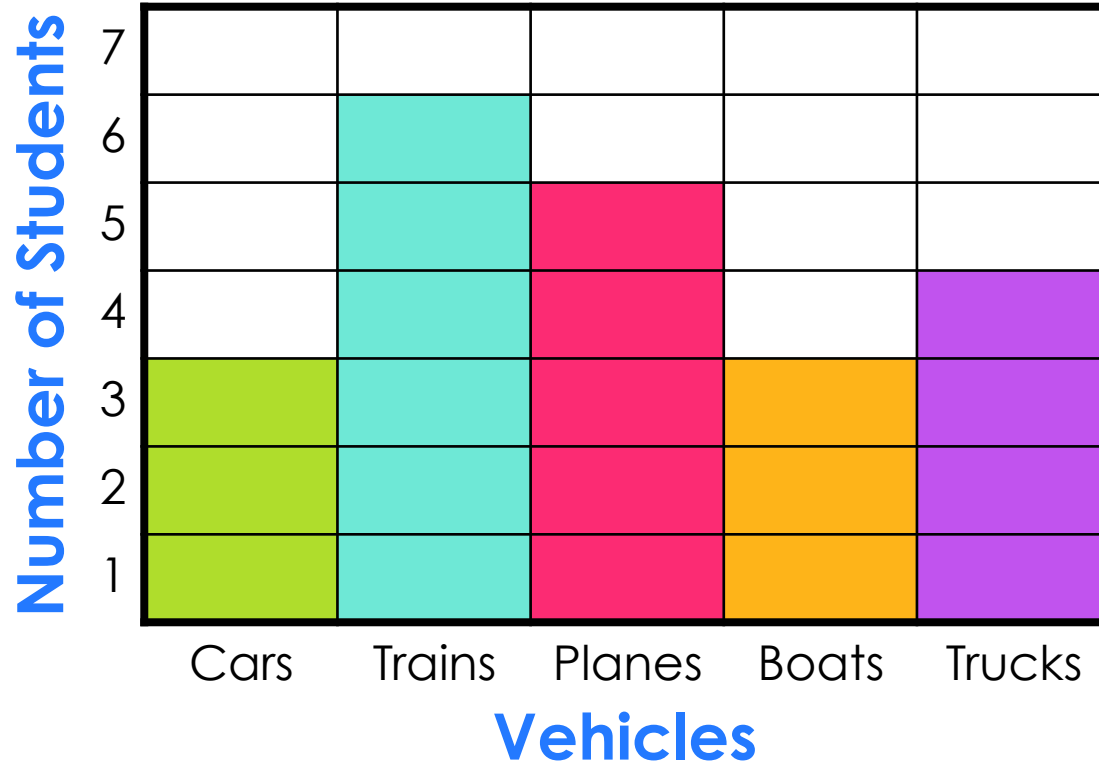
HOME

NEXT

1

# How many students like trains?

## Transportation



Oops! Try again

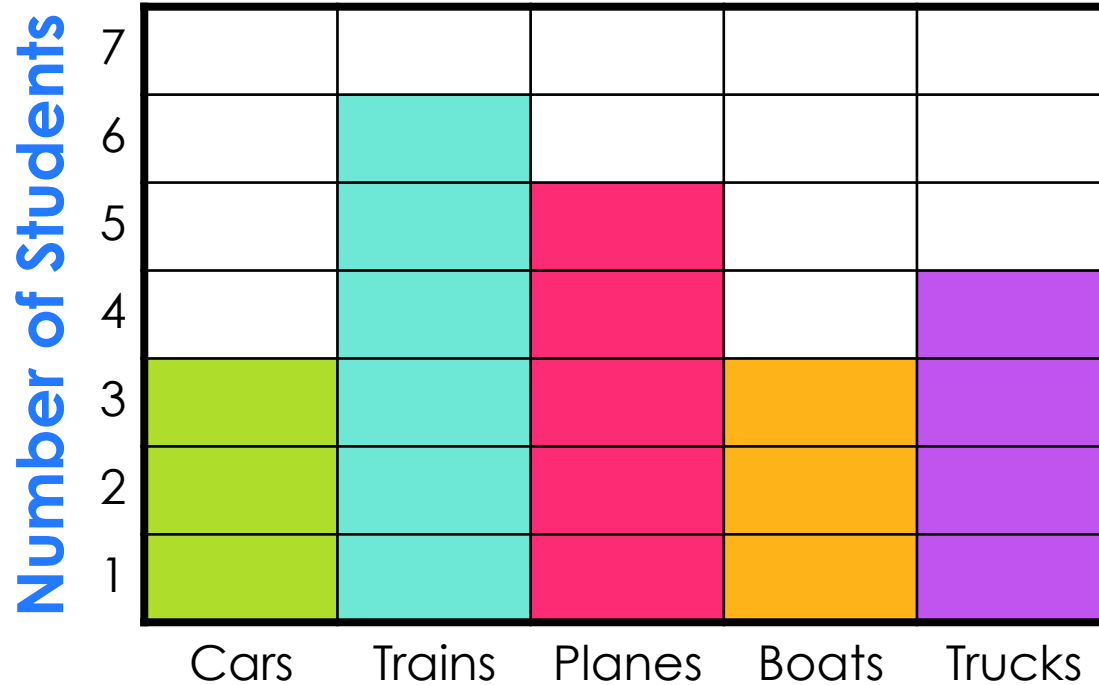
HOME

NEXT

1

YES! Six students like trains.

### Transportation



### Vehicles

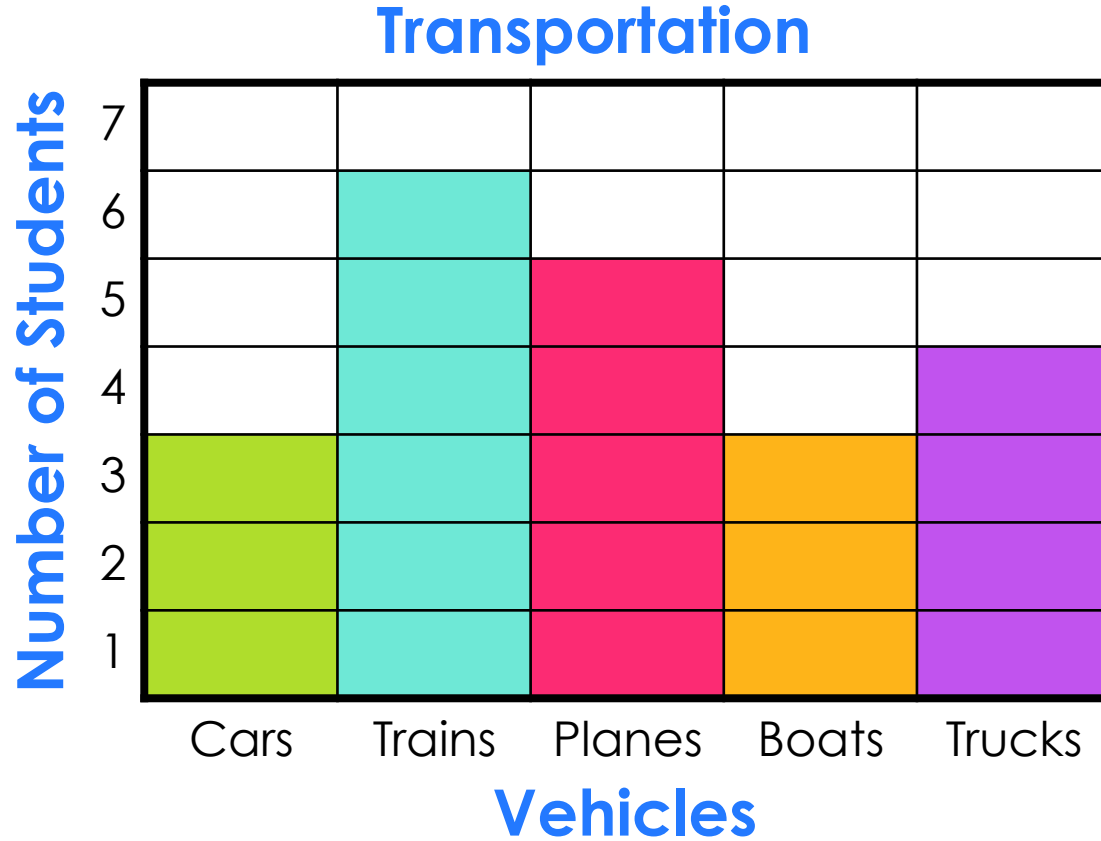
3

6

5

# 2

## How many students like planes?



5

3

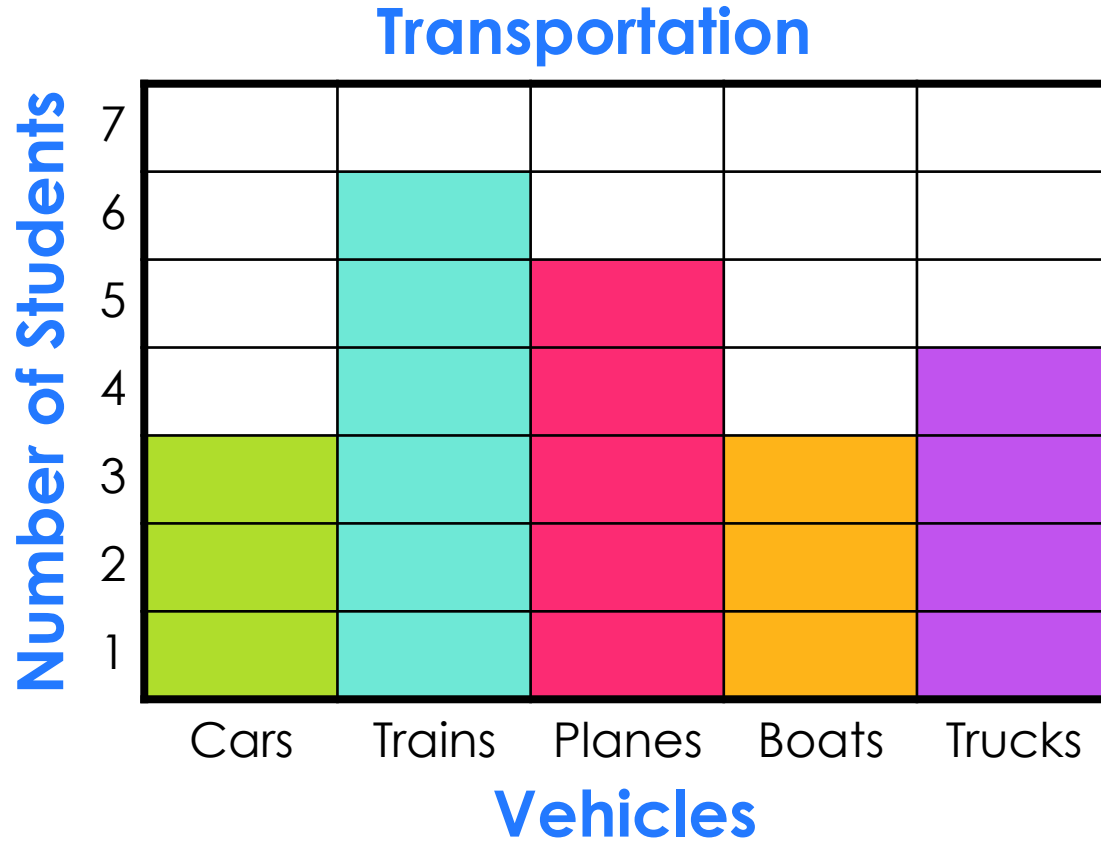
4

HOME

NEXT

# 2

## How many students like planes?



Oops! Try again

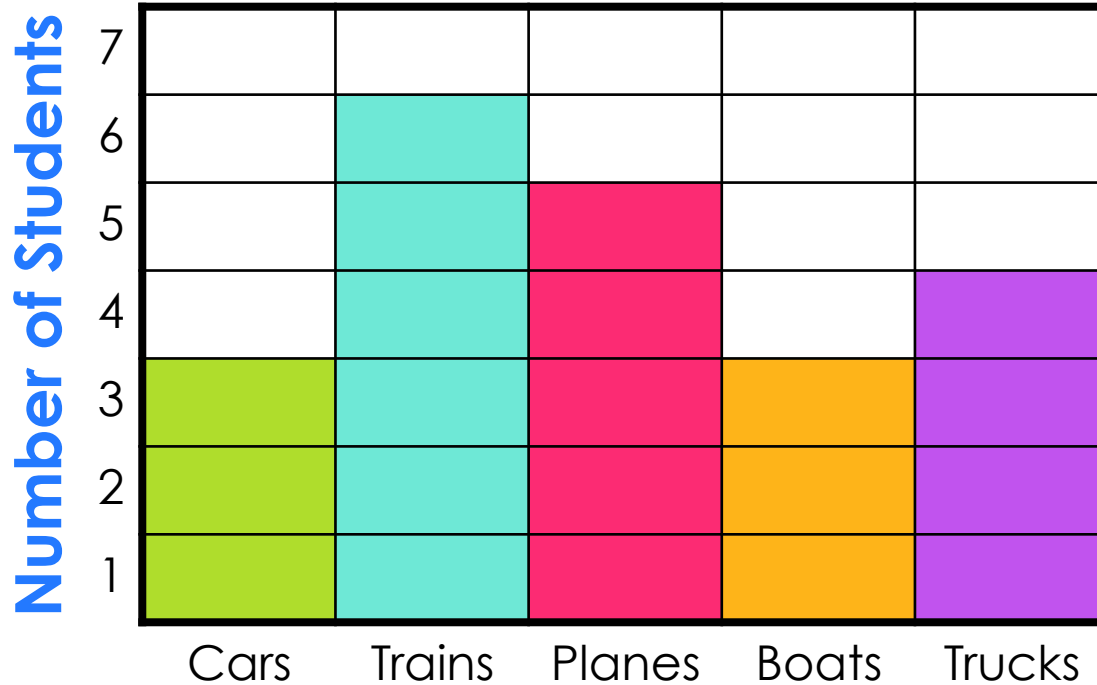
HOME

NEXT

# 2

YES! Five students like planes.

## Transportation



## Vehicles

5

3

4

HOME

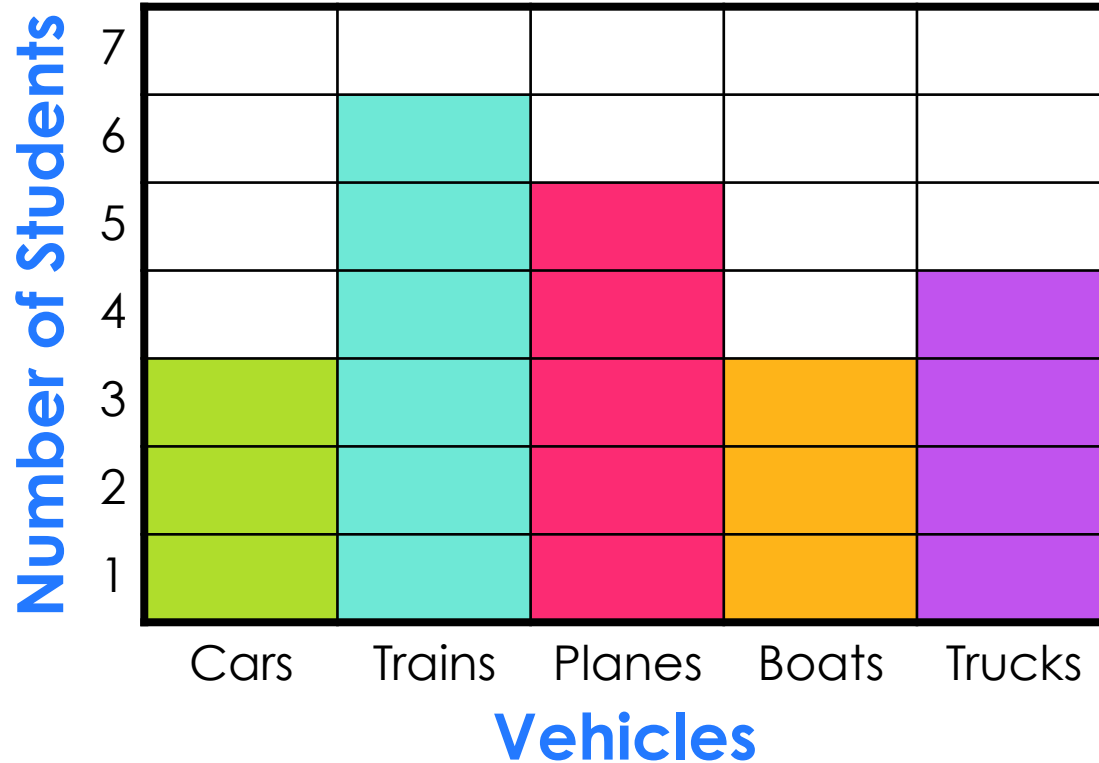
NEXT



# 3

## How many students like boats?

### Transportation



7

3

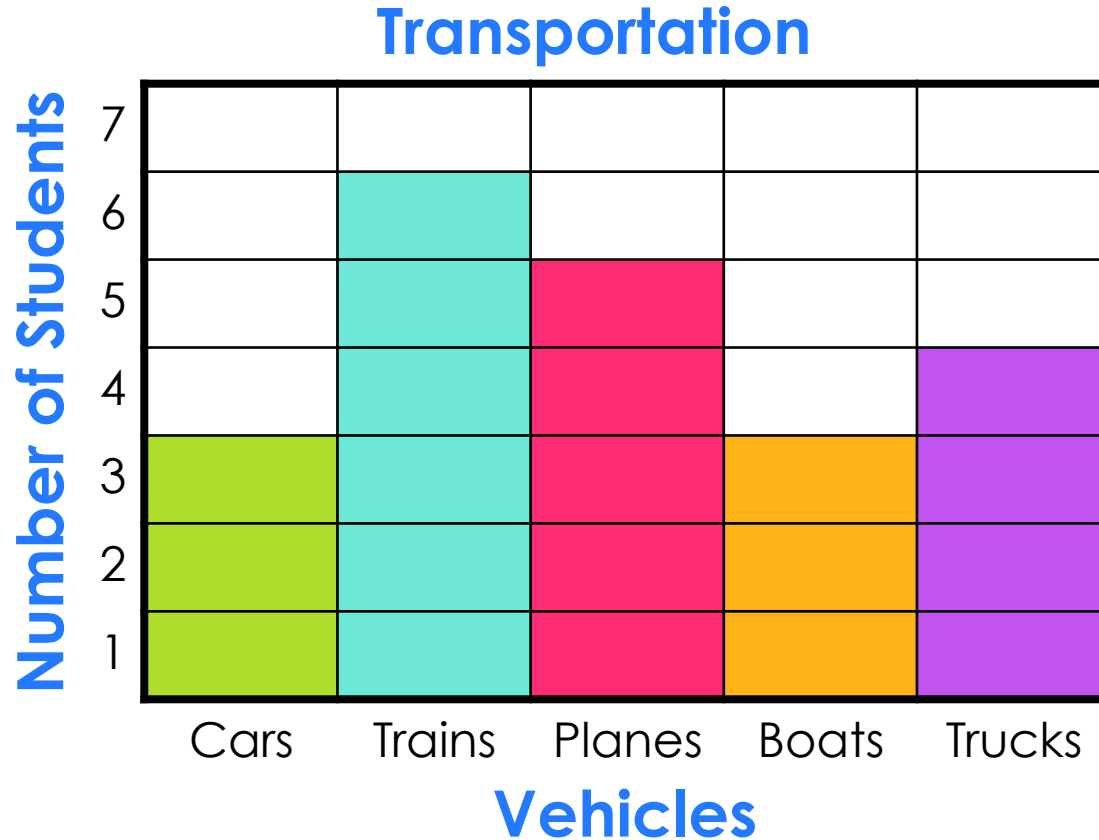
4

HOME

NEXT

# 3

## How many students like boats?



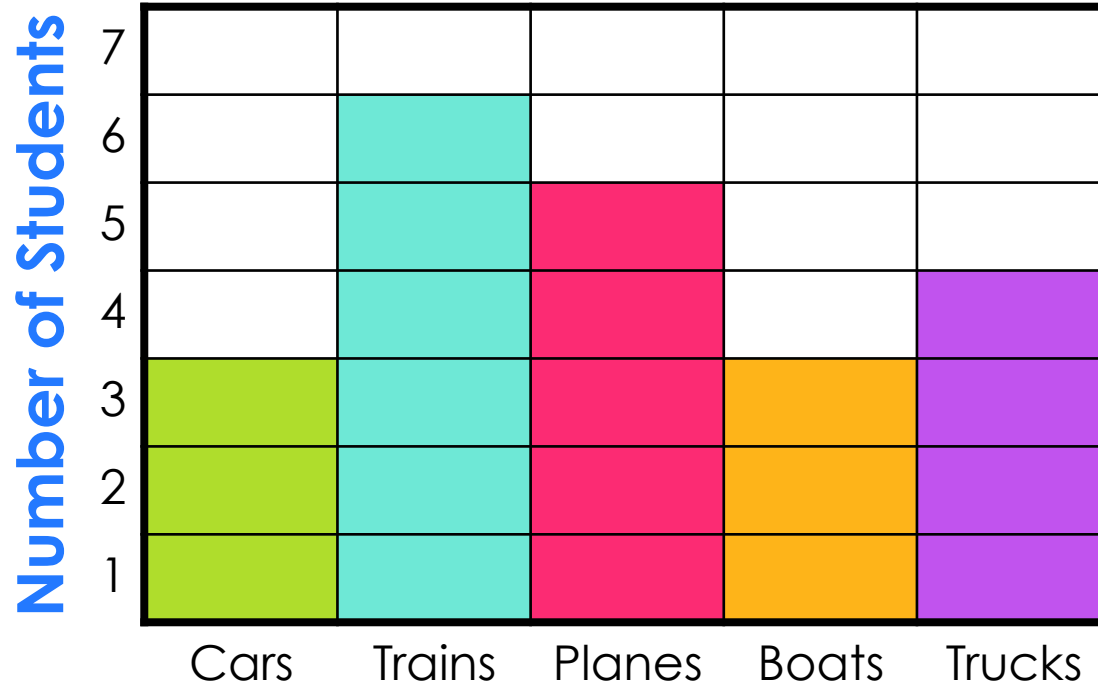
Oops! Try again

HOME

NEXT

YES! Three students like boats.

## Transportation



## Vehicles

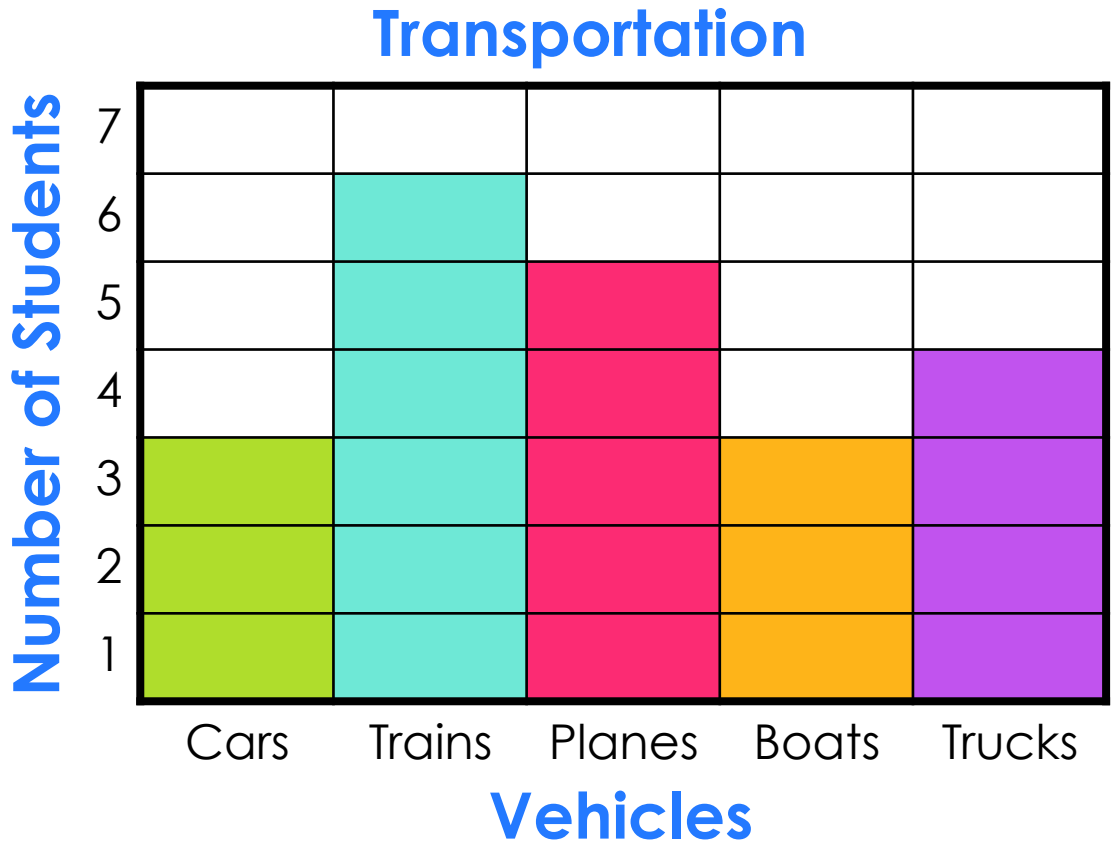
7

3

4

4

How many students like vehicles that do not fly?



5

21

16

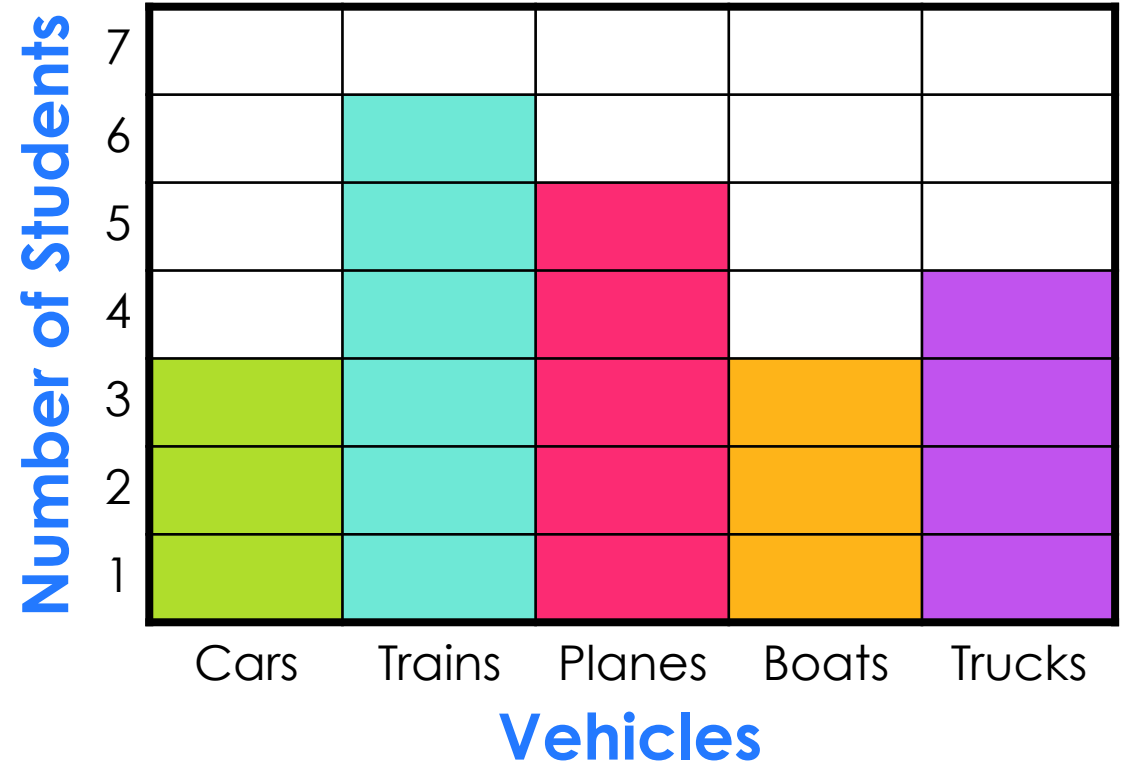
HOME

NEXT

4

# How many students like vehicles that do not fly?

## Transportation



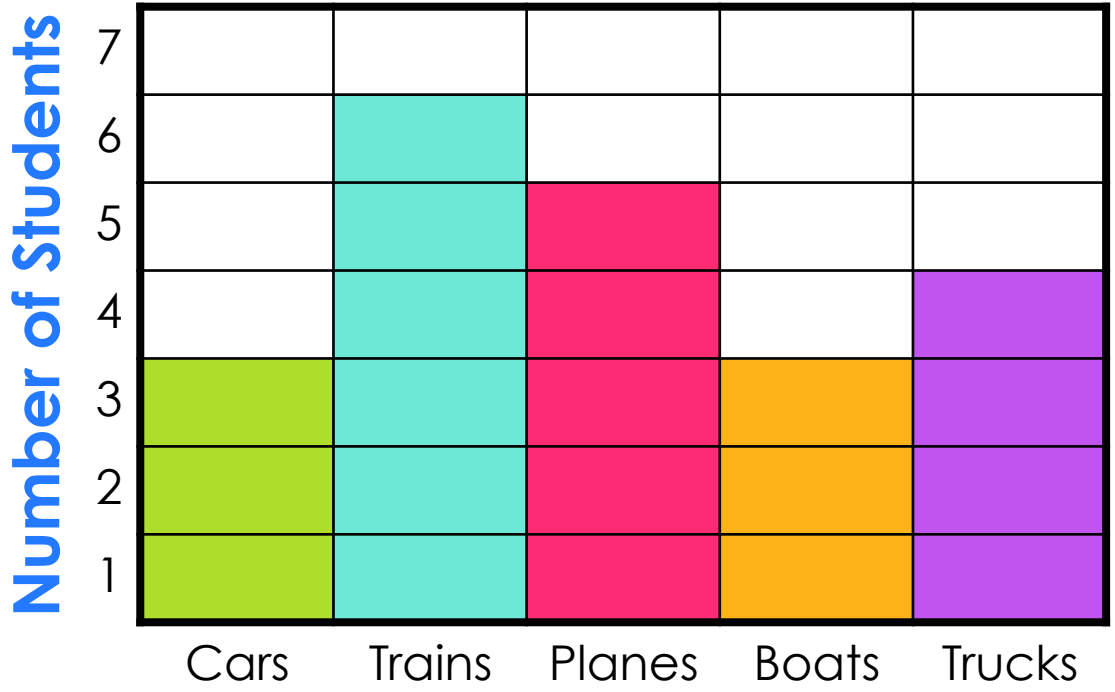
Oops! Try again

HOME

NEXT

YES! 16 students like vehicles that do not fly.

## Transportation



## Vehicles

5

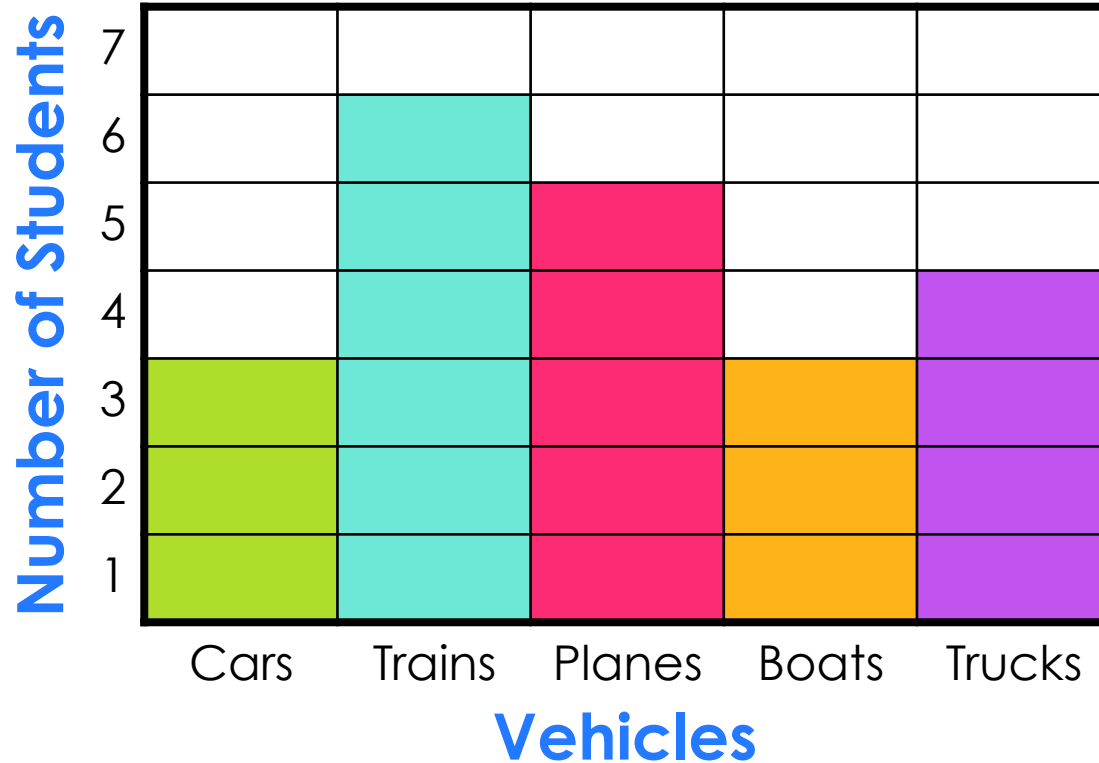
21

16

# 5

## How many students are there in all?

### Transportation



12

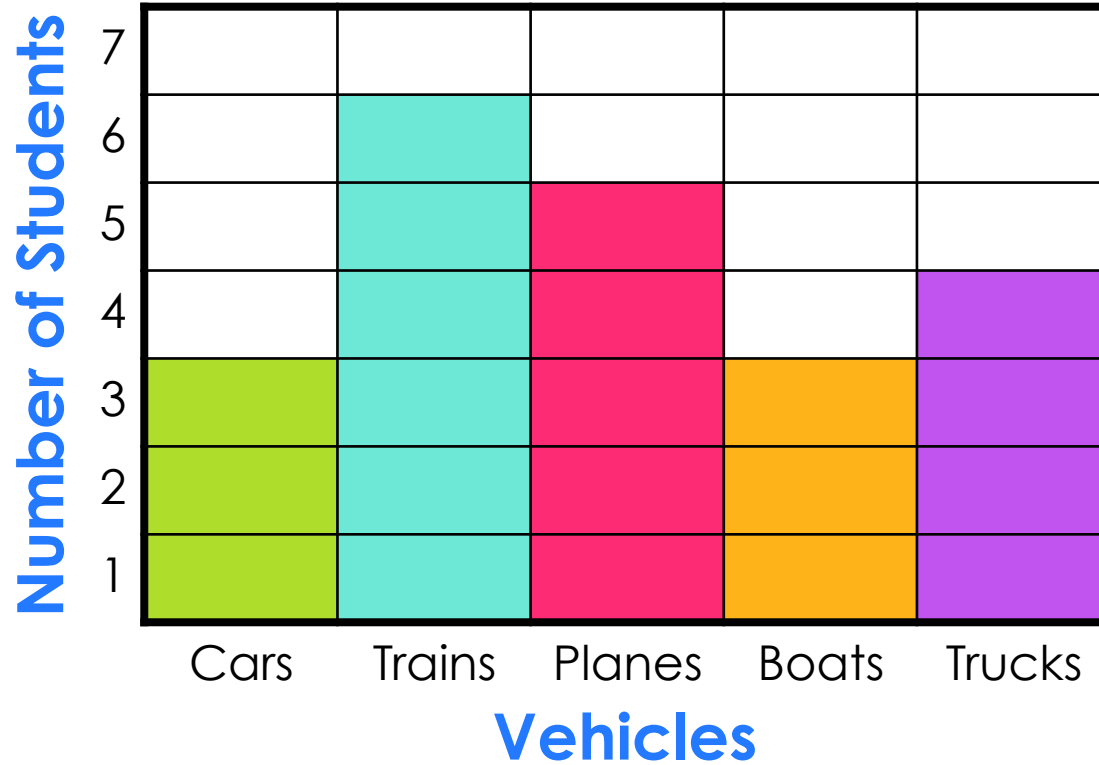
21

5

# 5

## How many students are there in all?

### Transportation



Oops! Try again

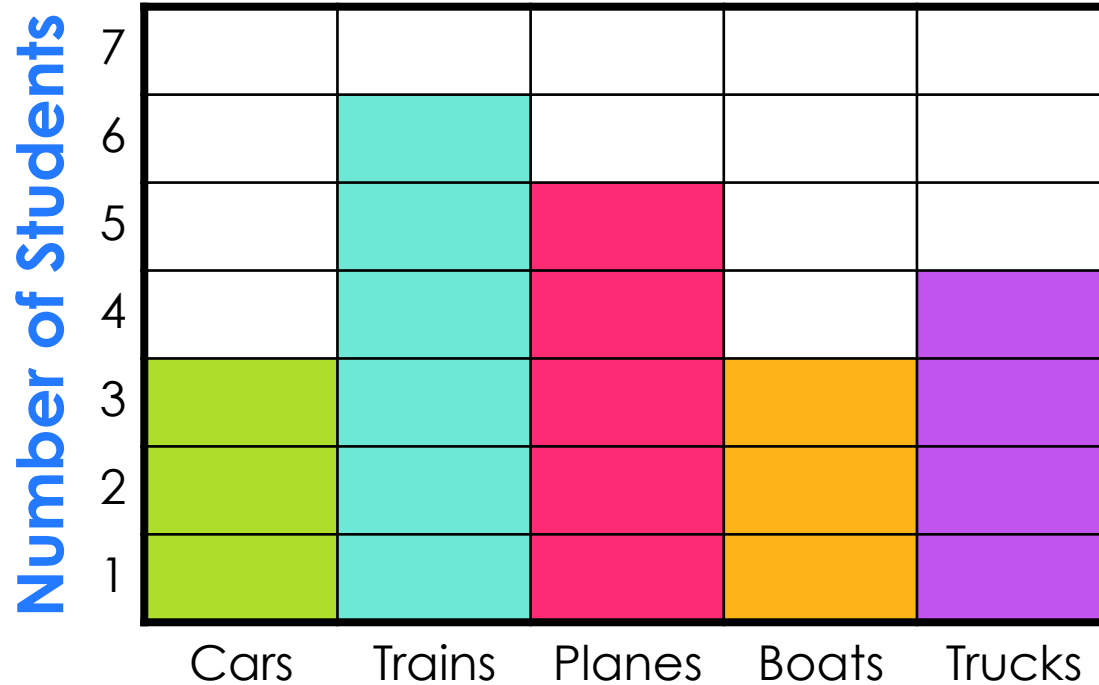
HOME

NEXT



YES! There are 21 students in all.

## Transportation



## Vehicles

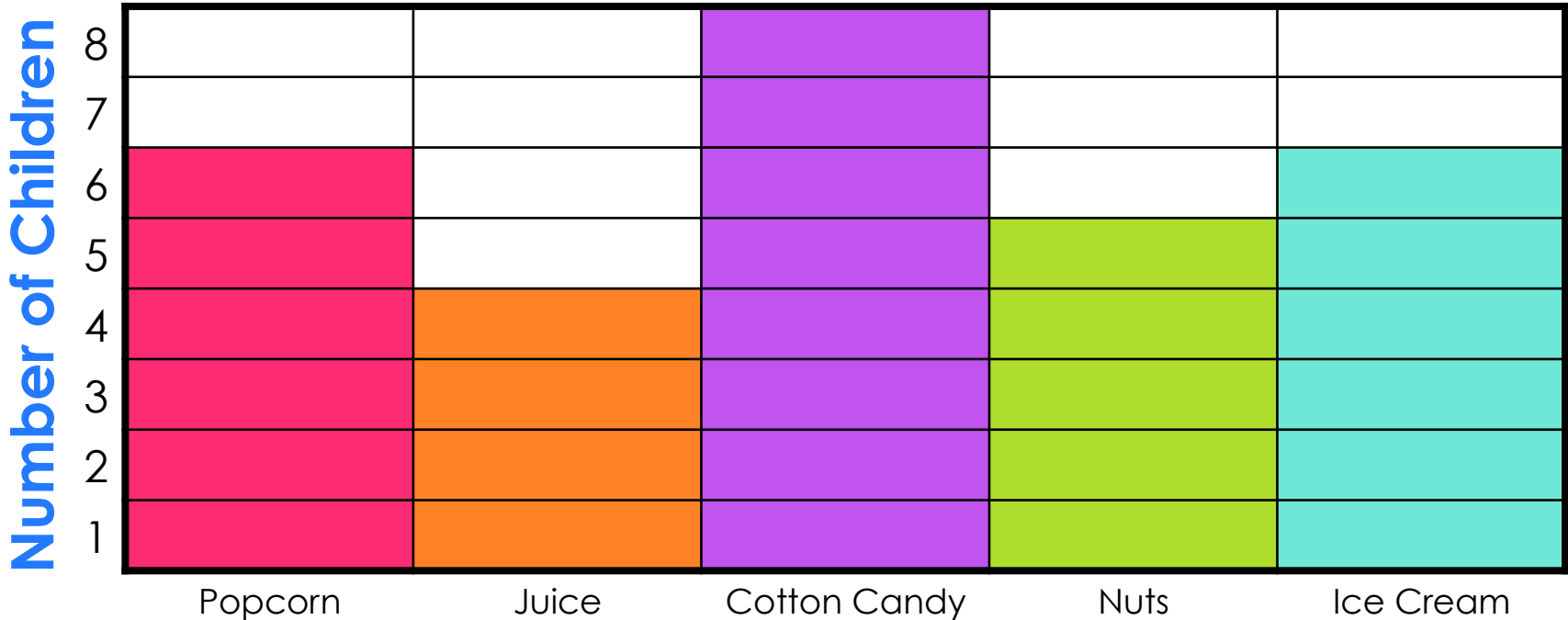
12

21

5

## How many children like ice cream?

### A Day at the Fair



### Snacks

5

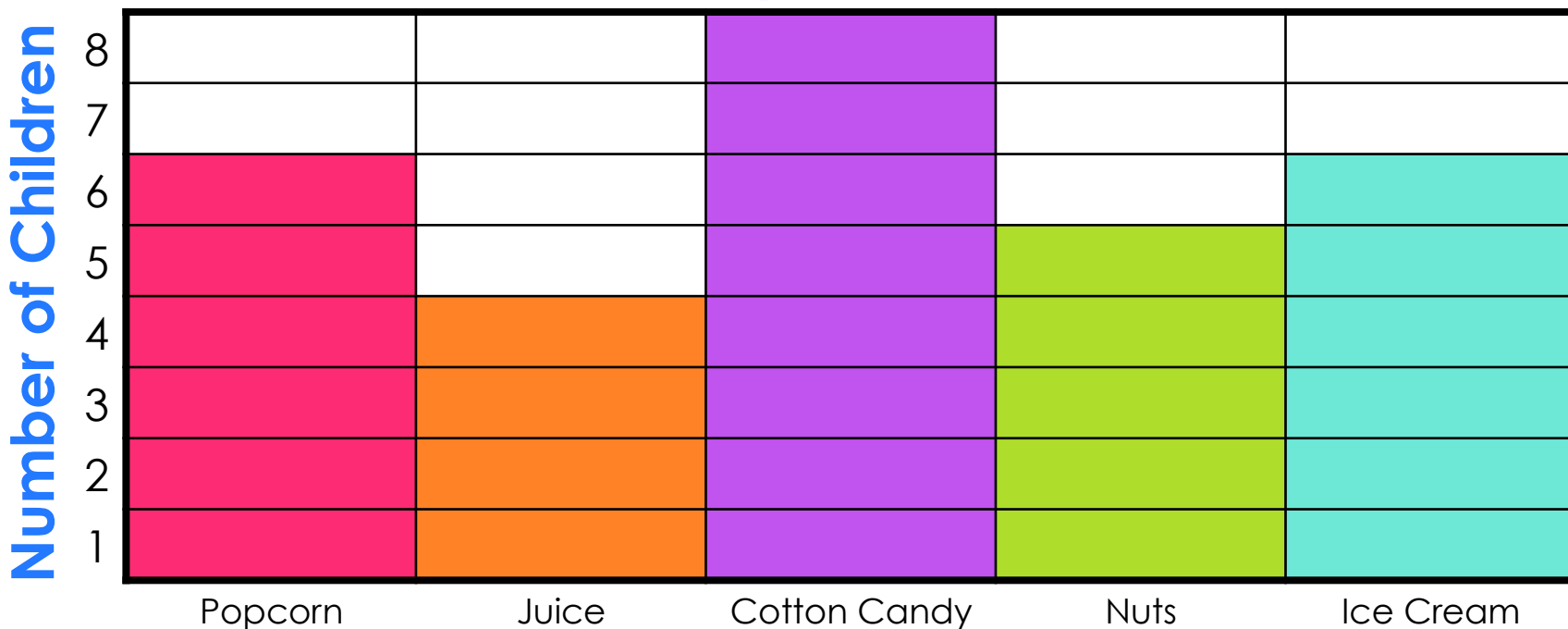
6

8

# 6

## How many children like ice cream?

### A Day at the Fair



### Snacks

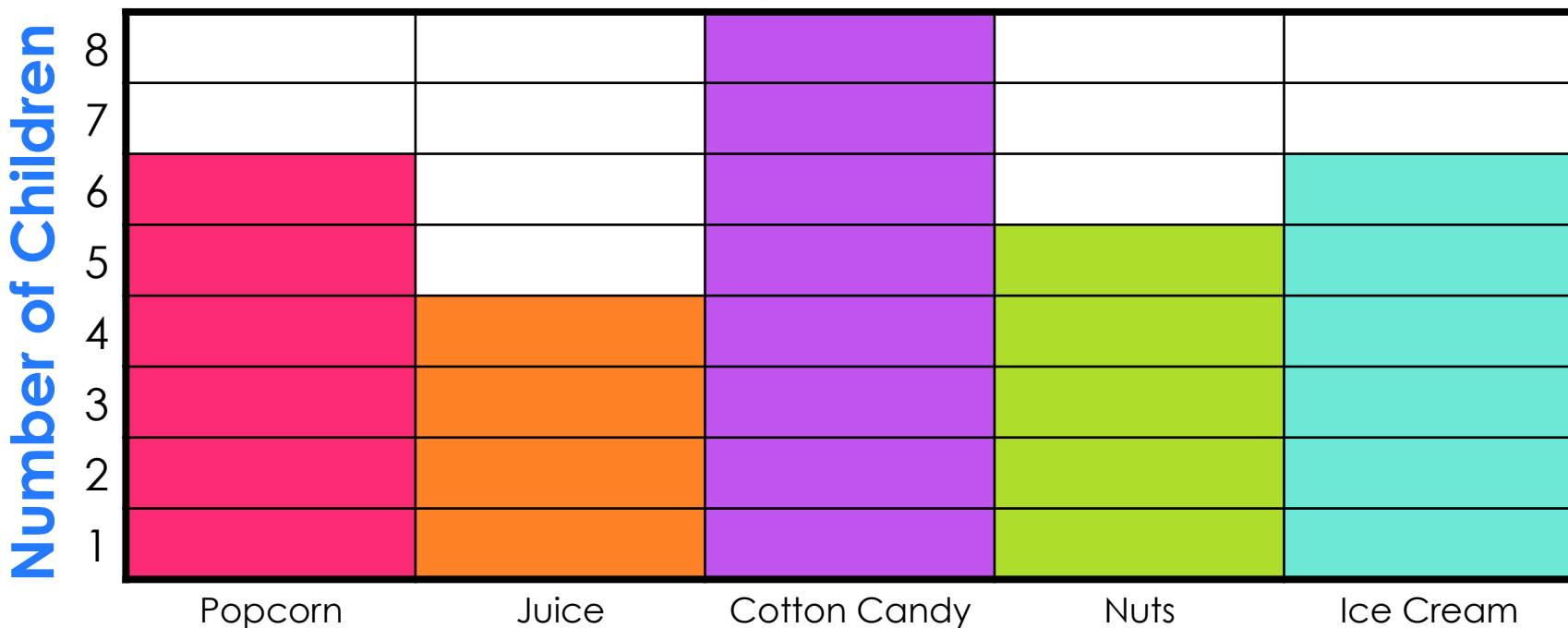
Oops! Try again

HOME

NEXT

YES! Six children like ice cream.

## A Day at the Fair



### Snacks

5

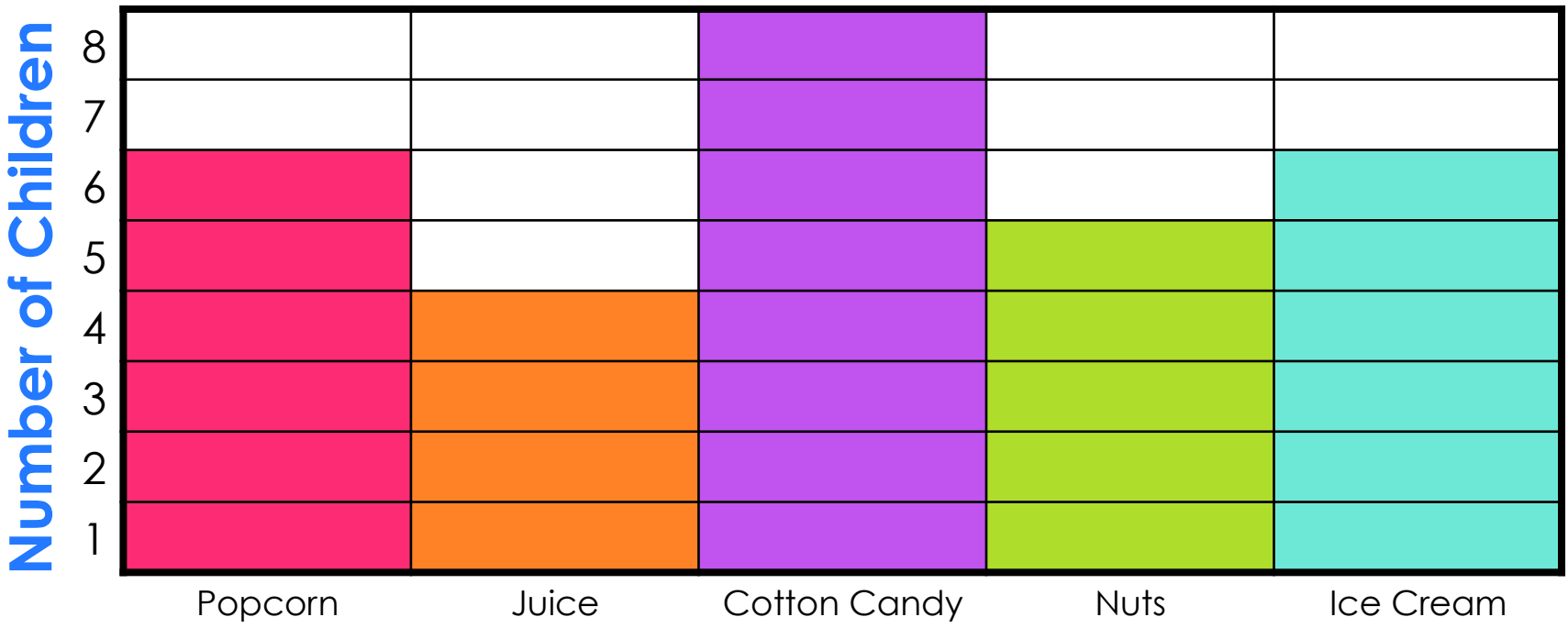
6

8

# 7

## How many children like popcorn and cotton candy altogether?

### A Day at the Fair



### Snacks

6

8

14

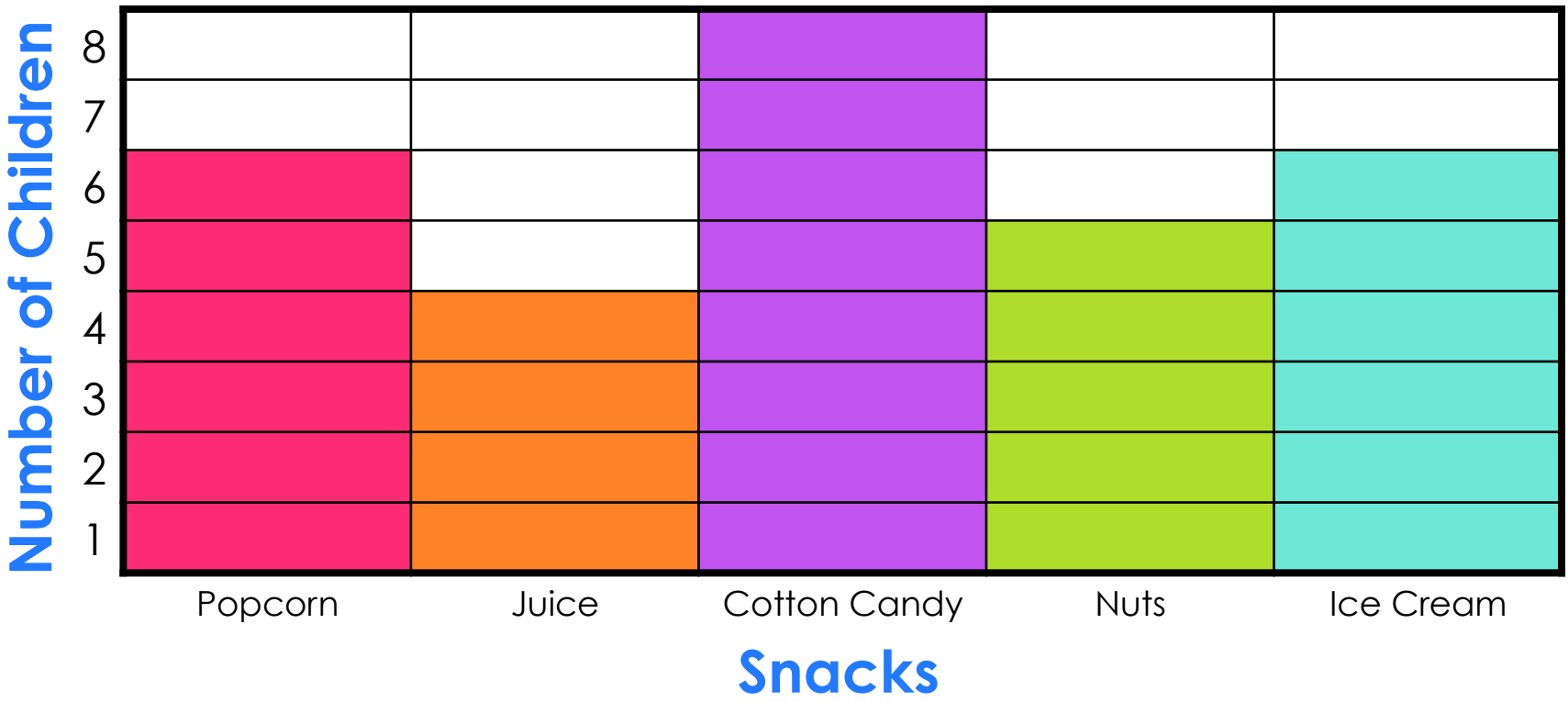
HOME

NEXT

7

# How many children like popcorn and cotton candy altogether?

## A Day at the Fair



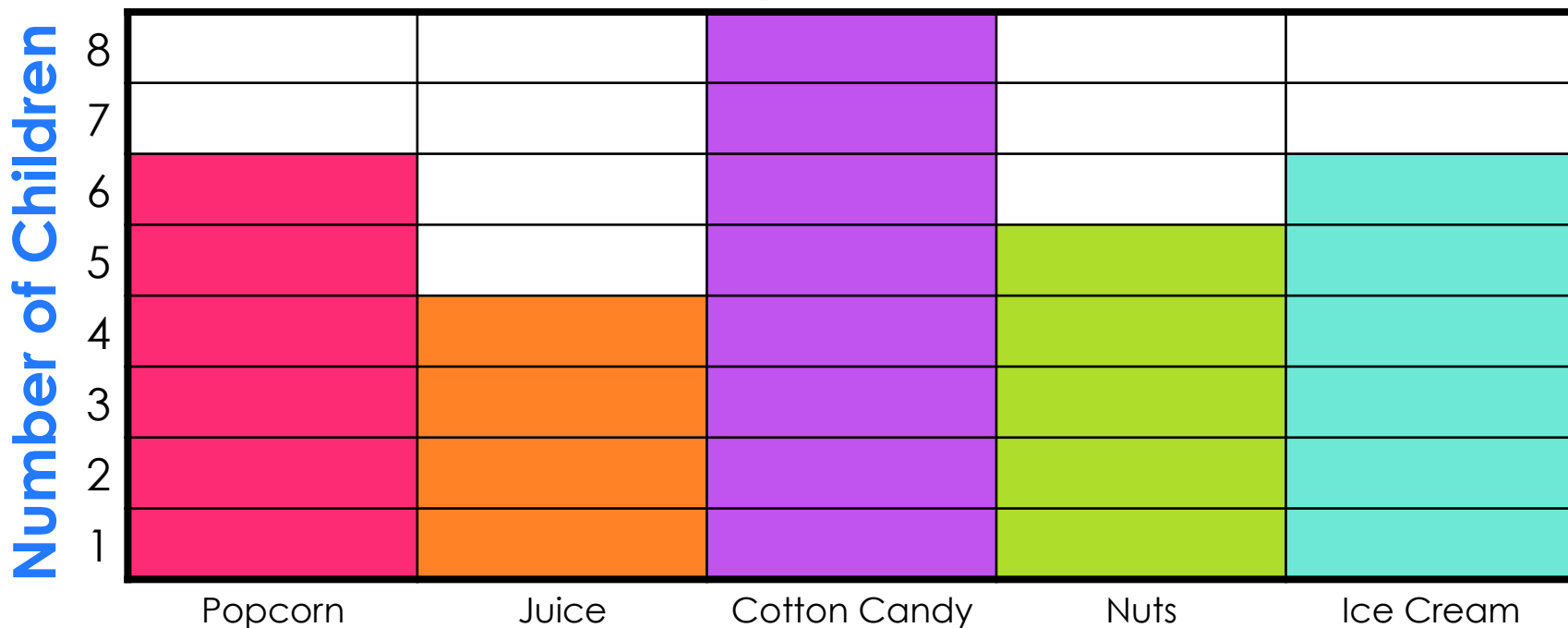
Oops! Try again

HOME

NEXT

YES! 14 children like popcorn and cotton candy.

## A Day at the Fair



## Snacks

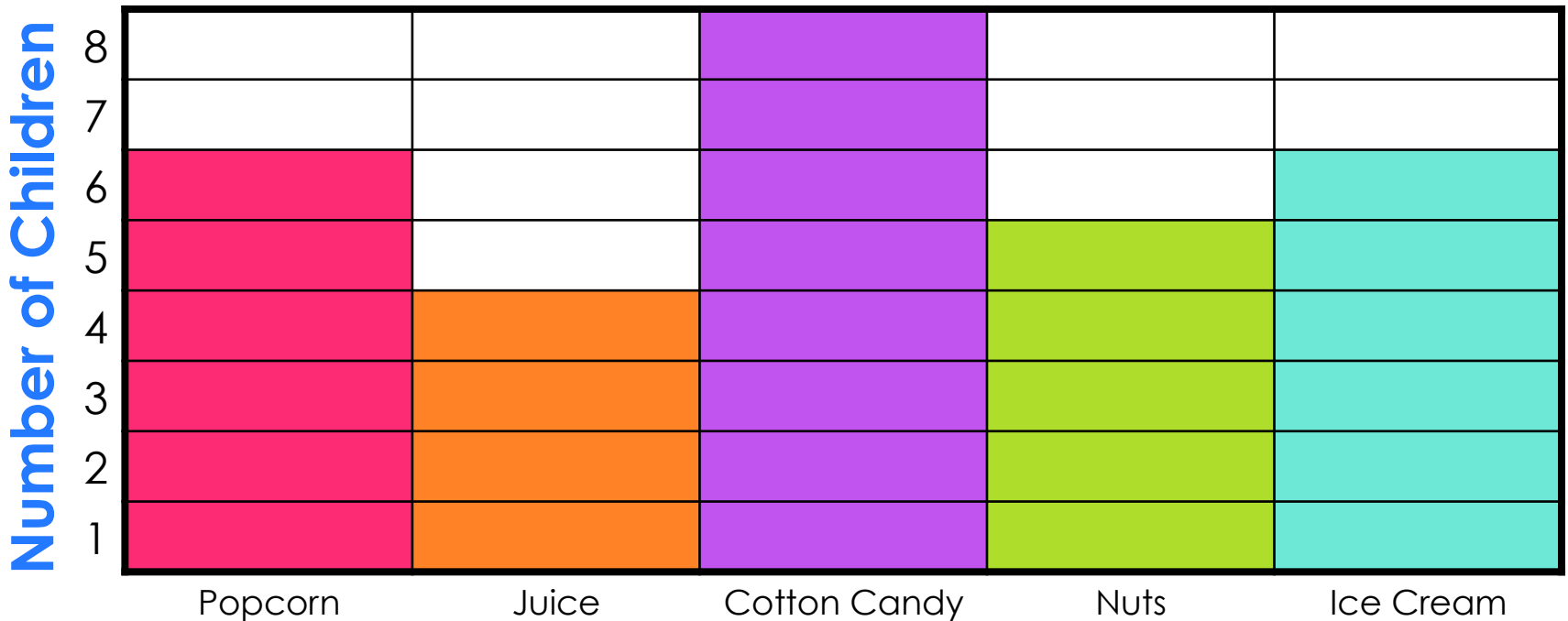
6

8

14

## How many more children like nuts than juice?

### A Day at the Fair



### Snacks

1

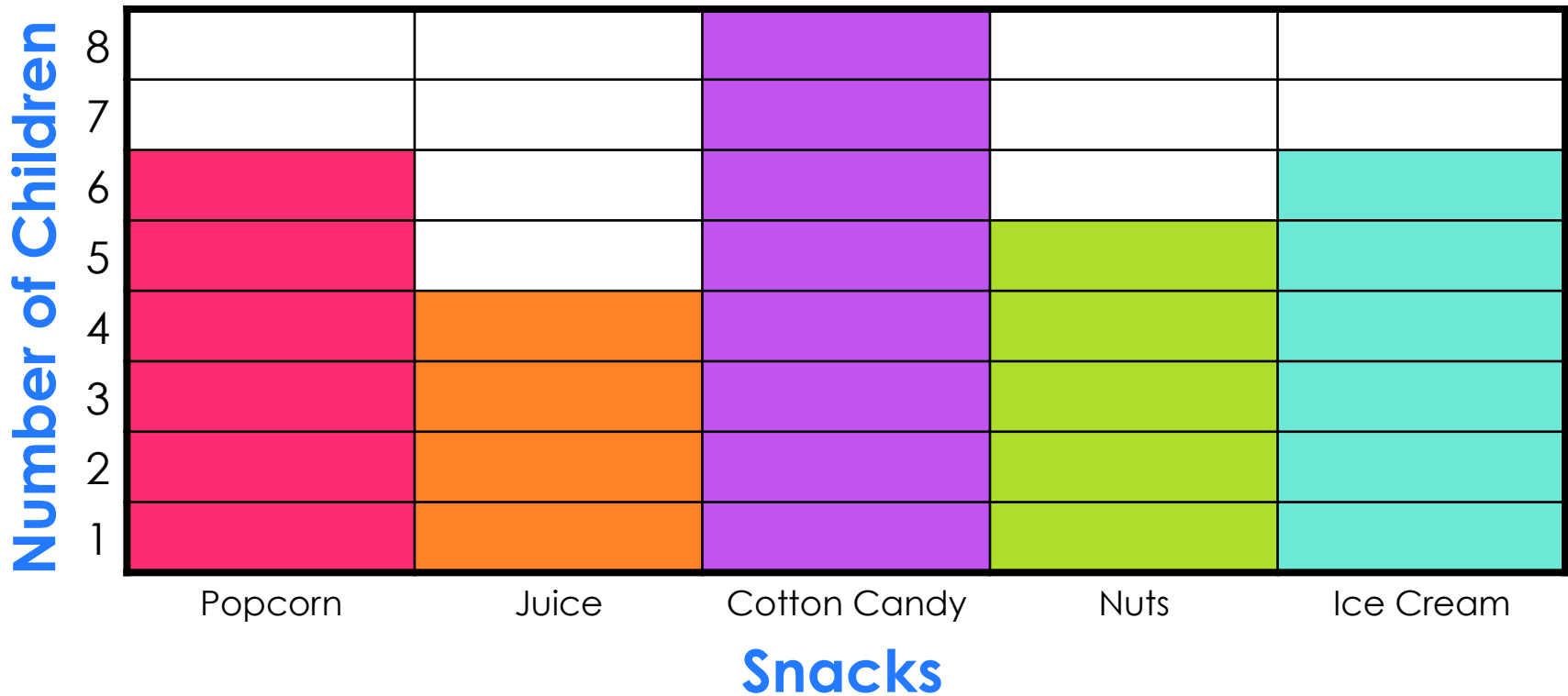
4

5



# How many more children like nuts than juice?

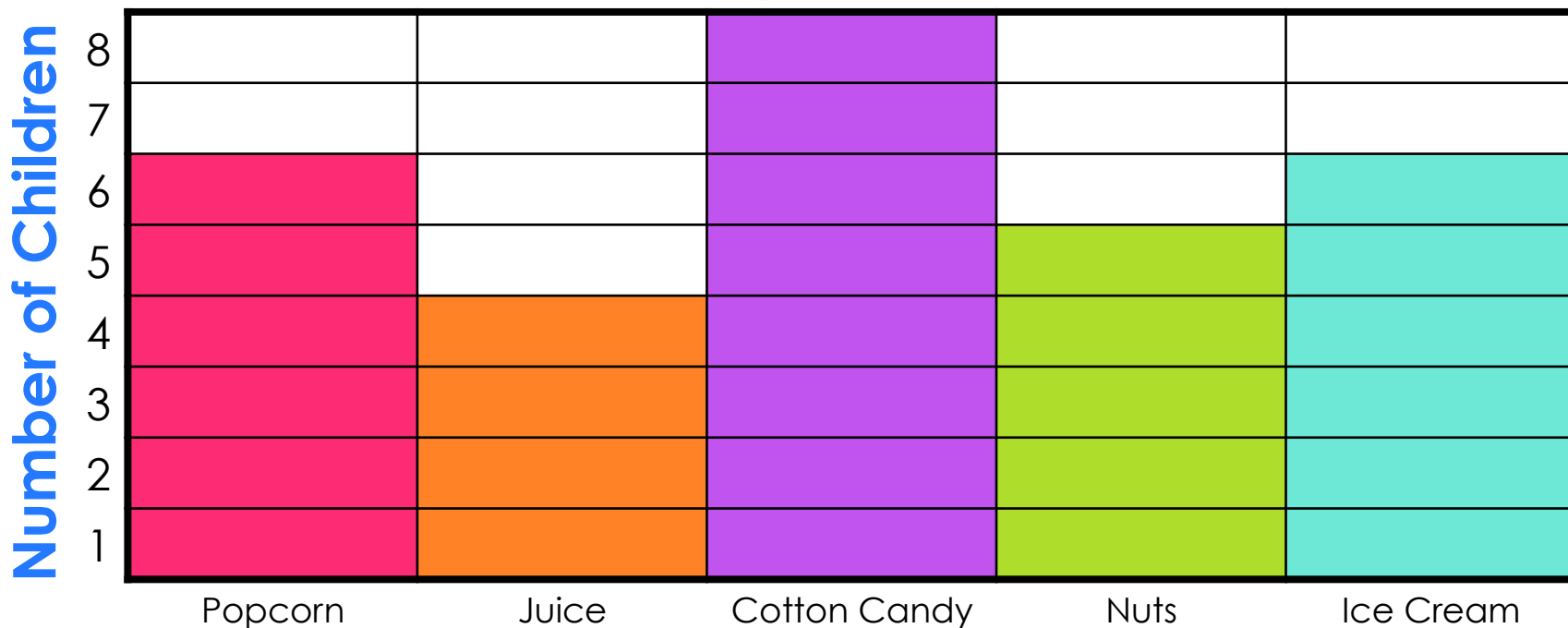
## A Day at the Fair



Oops! Try again

YES! One more child likes nuts than juice.

## A Day at the Fair



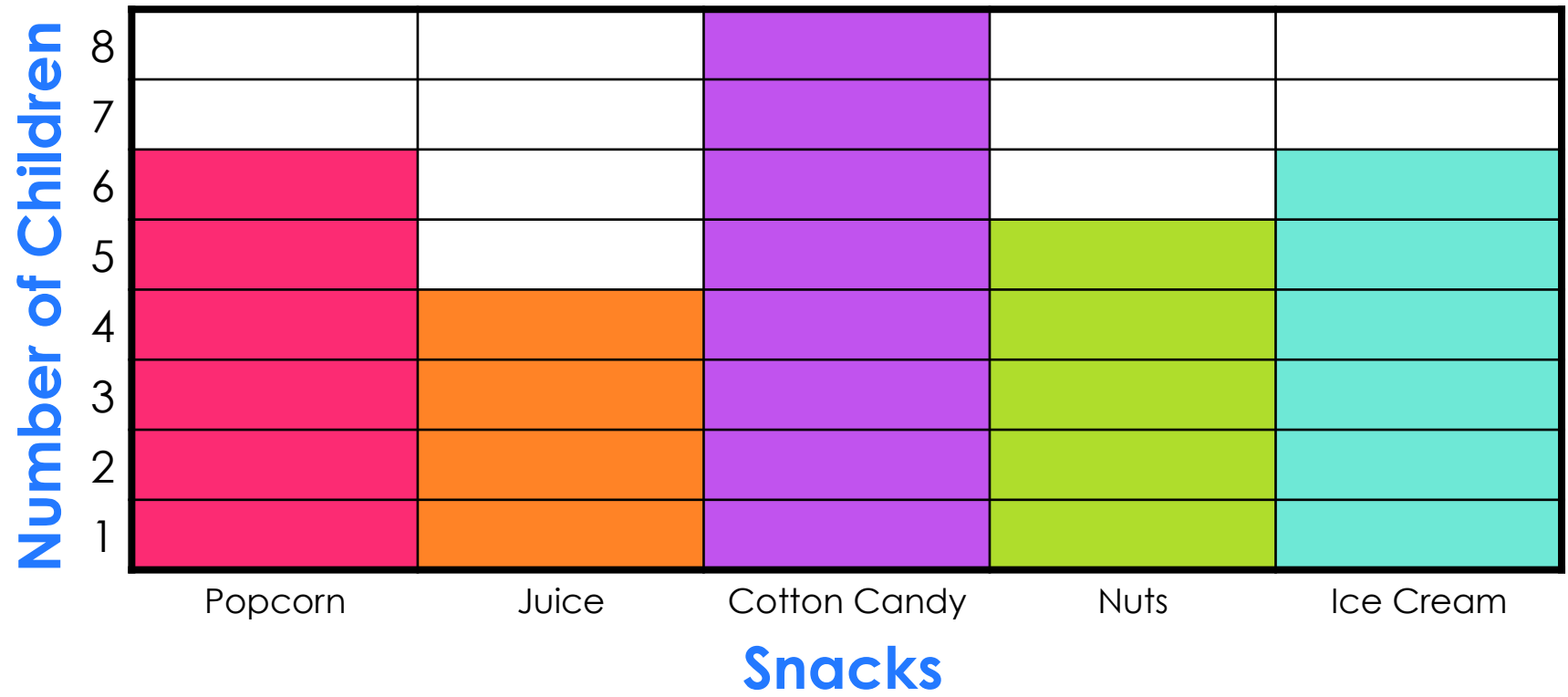
1

4

5

CLICK on the most popular snack.

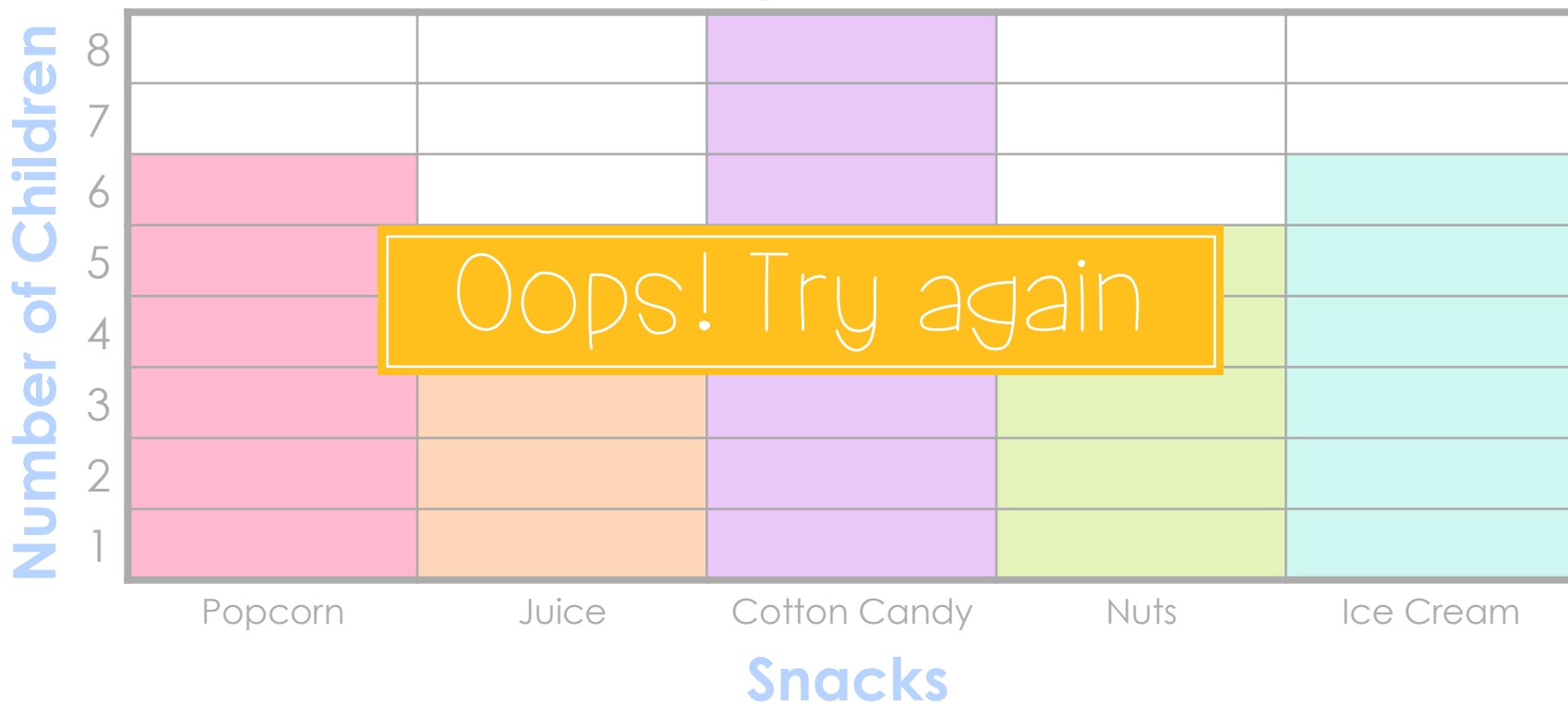
## A Day at the Fair



9

CLICK on the most popular snack.

### A Day at the Fair

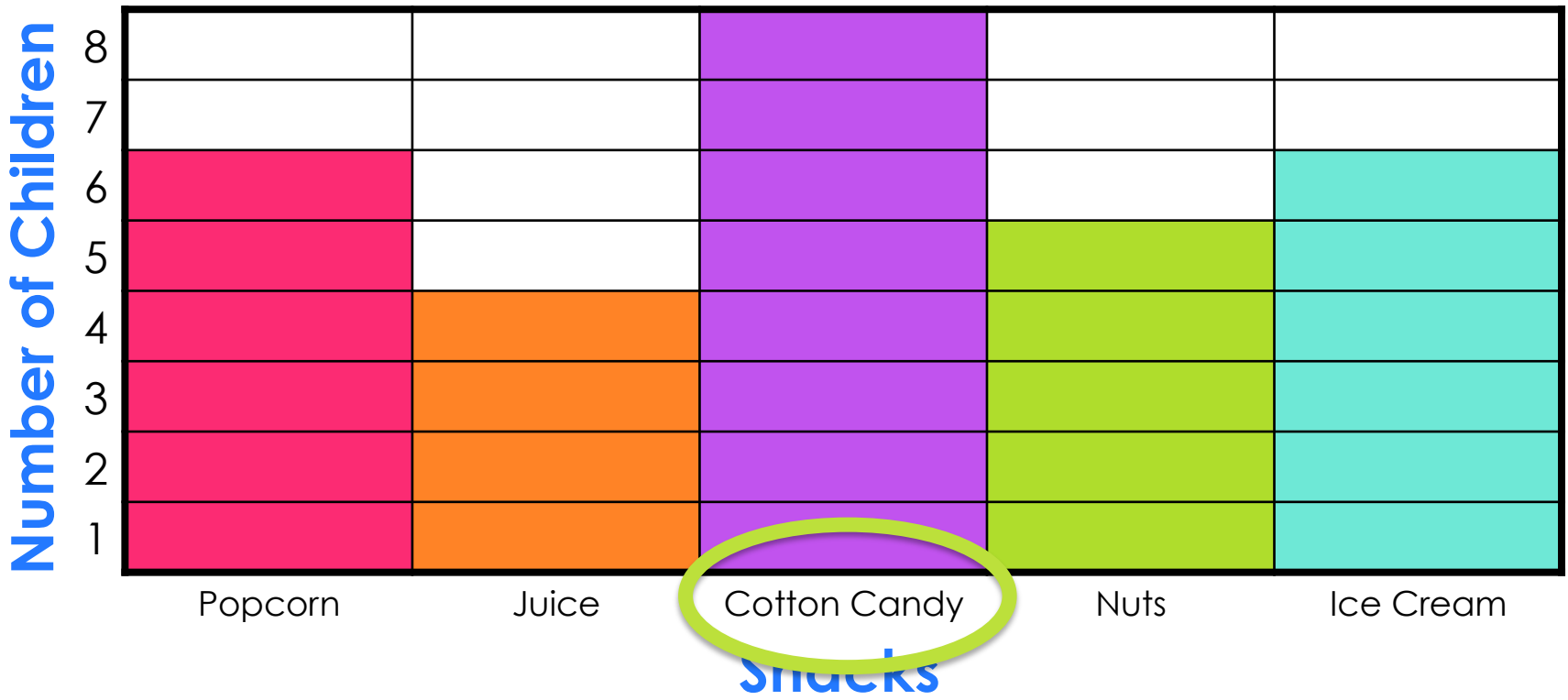


HOME

NEXT

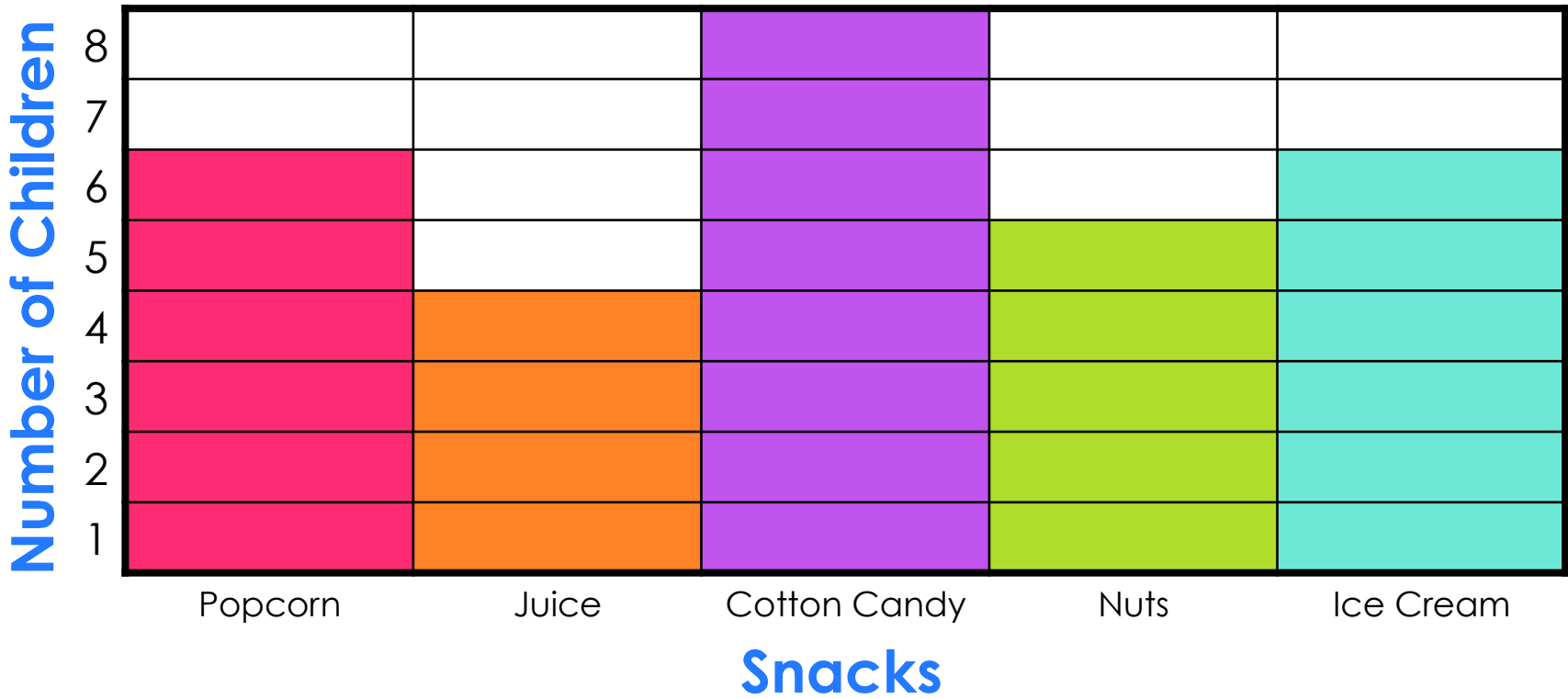
YES! Cotton candy is the most popular snack.

### A Day at the Fair



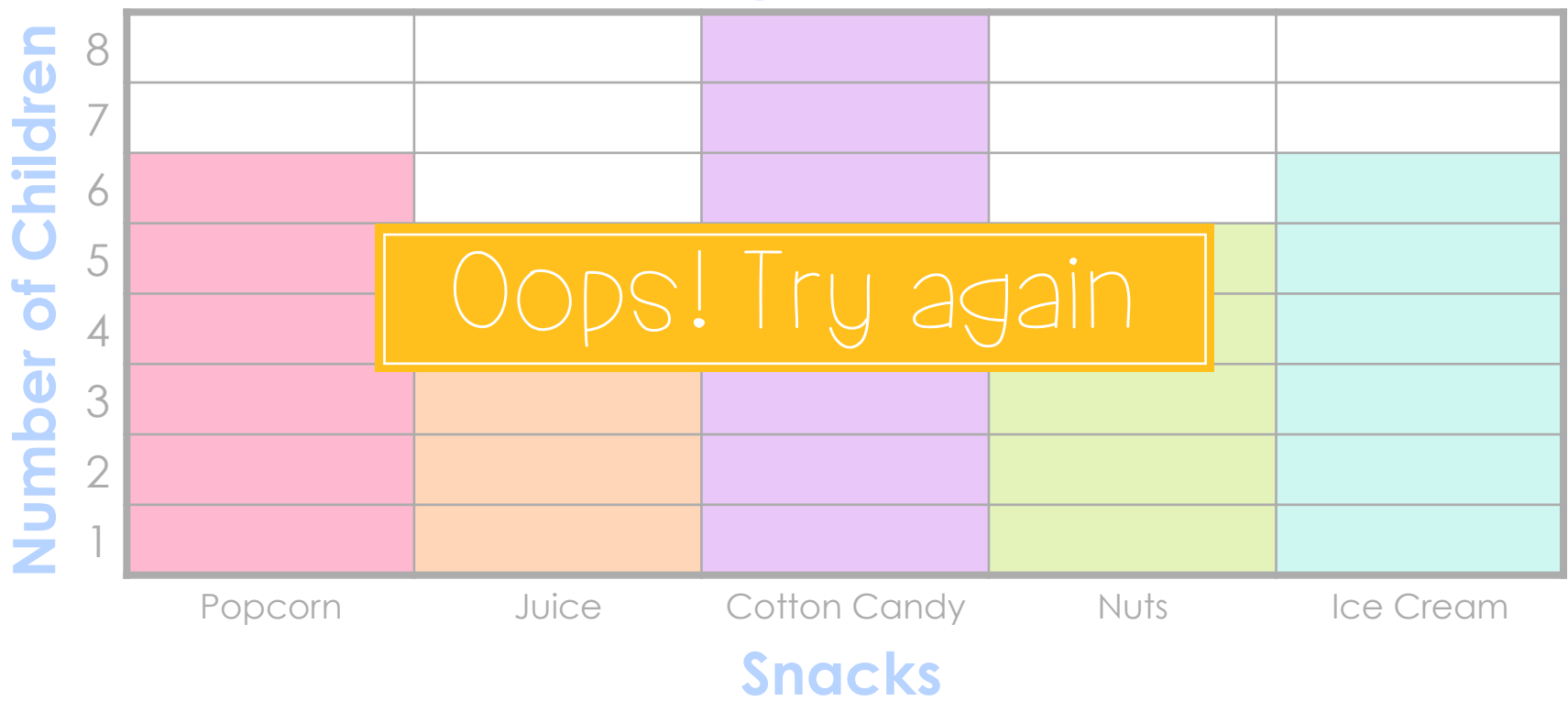
CLICK on the children's **least** favorite snack.

## A Day at the Fair



CLICK on the children's **least** favorite snack.

## A Day at the Fair



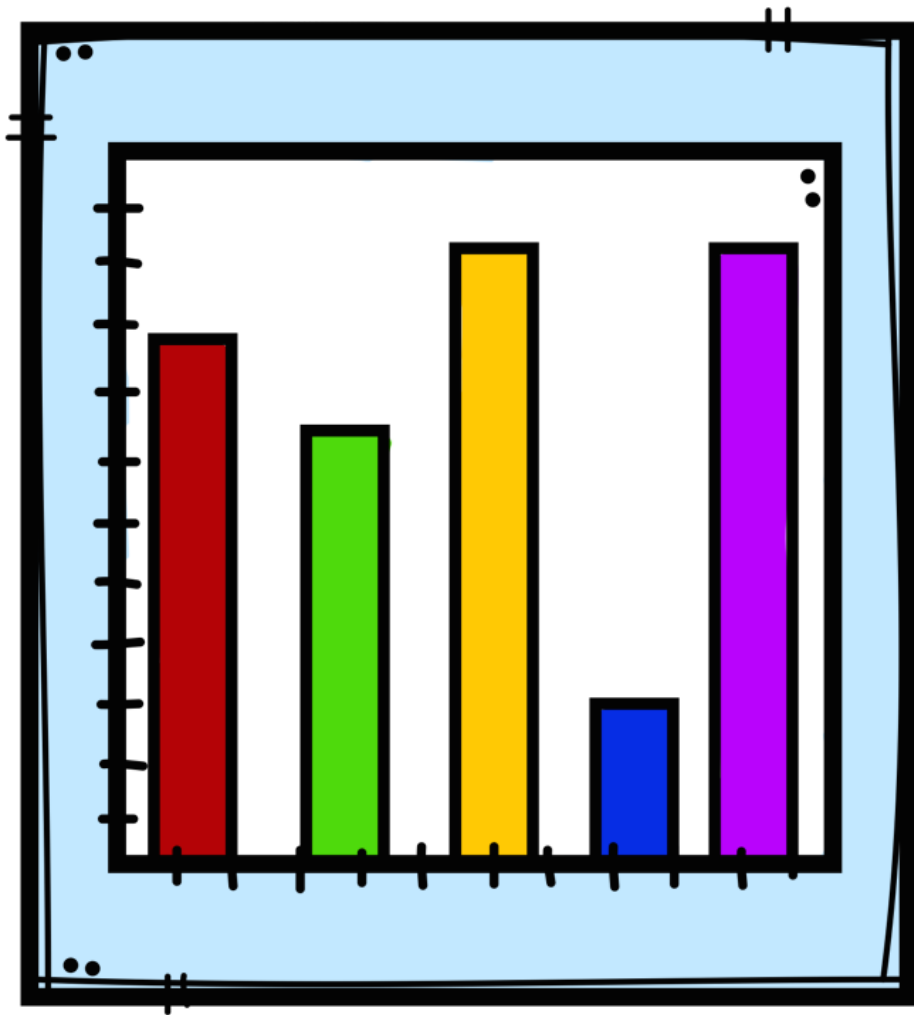
YES! The least favorite snack is juice.

## A Day at the Fair





YOU DID IT!

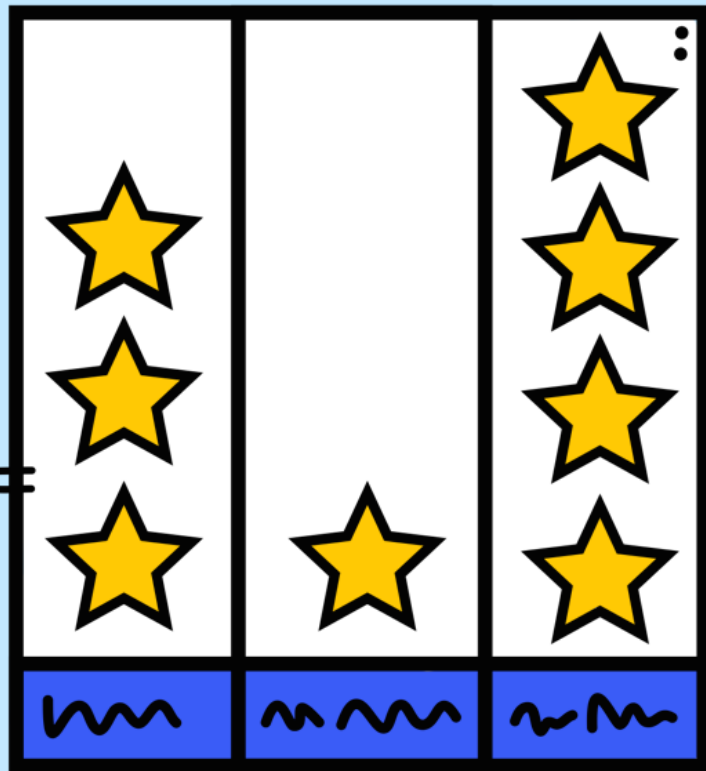


want to play  
another game?

yes,  
Please!

# Pictograph

# GAME



Ready to get started?

yes,  
Please!

# 1

## How many students have dogs?

### Our Pets at Home

Dogs



Cats



Birds



Lizards



5













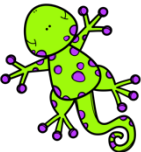
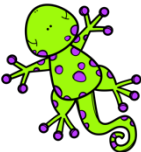
3

4

# 1

## How many students have dogs?

### Our Pets at Home

Dogs					
Cats					
Birds					
Lizards					

Oops! Try again

1

YES! Five students have dogs.

### Our Pets at Home

Dogs



Cats



Birds



Lizards



5

3

4

# 2

## How many more students have birds than lizards?

### Our Pets at Home

Dogs



Cats



Birds



Lizards



4













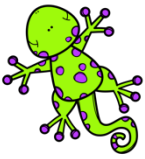
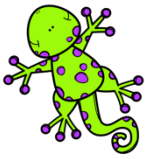
2

6

2

How many more students have birds than lizards?













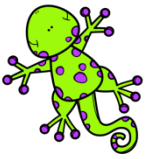
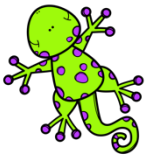
Our Pets at Home

Dogs					
Cats					
Birds					
Lizards					

Oops! Try again

YES! Two more students have birds than lizards.

## Our Pets at Home

Dogs					
Cats					
Birds					
Lizards					

4

2

6



# 3

## How many students have the most popular animal?

### Our Pets at Home

Dogs



Cats



Birds



Lizards



2

4

5

# 3

## How many students have the most popular animal?

### Our Pets at Home

Dogs



Cats



Birds



Lizards















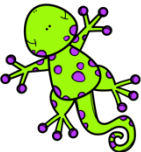
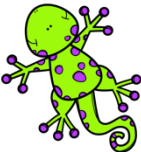
Oops! Try again

HOME

NEXT

YES! Five students have the most popular animal.

## Our Pets at Home

Dogs					
Cats					
Birds					
Lizards					

2













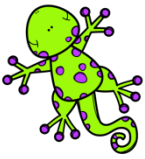
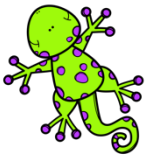
4

5

4

How many students have lizards or cats?

Our Pets at Home

Dogs					
Cats					
Birds					
Lizards					

4













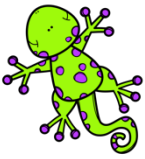
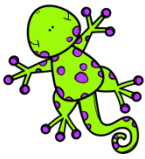
6

5

4

How many students have lizards or cats?

Our Pets at Home

Dogs					
Cats					
Birds					
Lizards					

Oops! Try again

YES! Five students have lizards or cats.

## Our Pets at Home

Dogs



Cats



Birds



Lizards



4

6

5

# 5

## How many students are there in all?

### Our Pets at Home

Dogs



Cats



Birds



Lizards



10

12

14

# 5

## How many students are there in all?

### Our Pets at Home

Dogs



Cats



Birds



Lizards













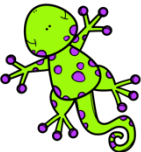
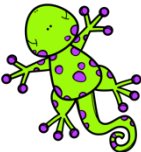


Oops! Try again



YES! There are 14 students in all.

## Our Pets at Home

Dogs					
Cats					
Birds					
Lizards					

10

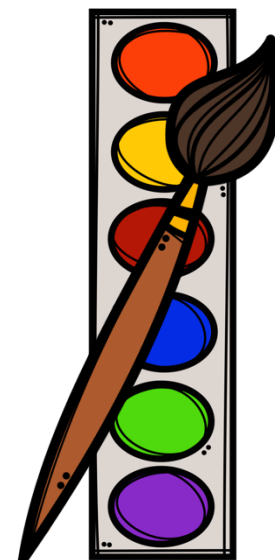
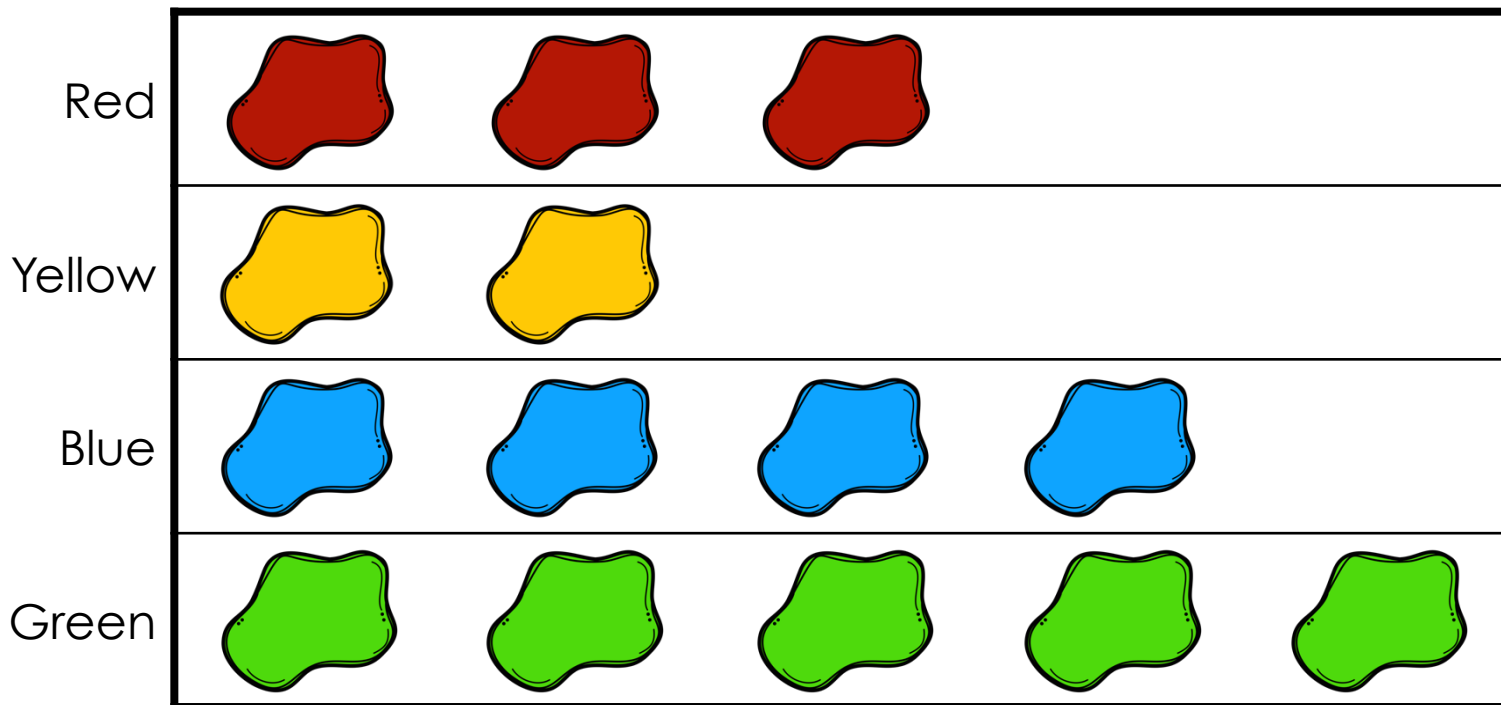
12

14

# 6

## How many students like blue?

### Our Favorite Colors



3

4

5

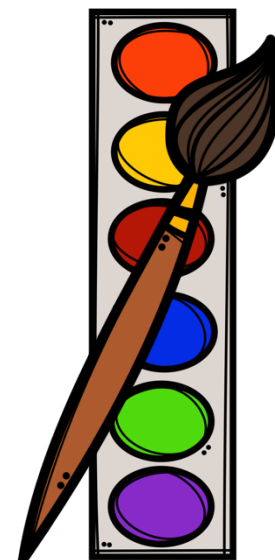
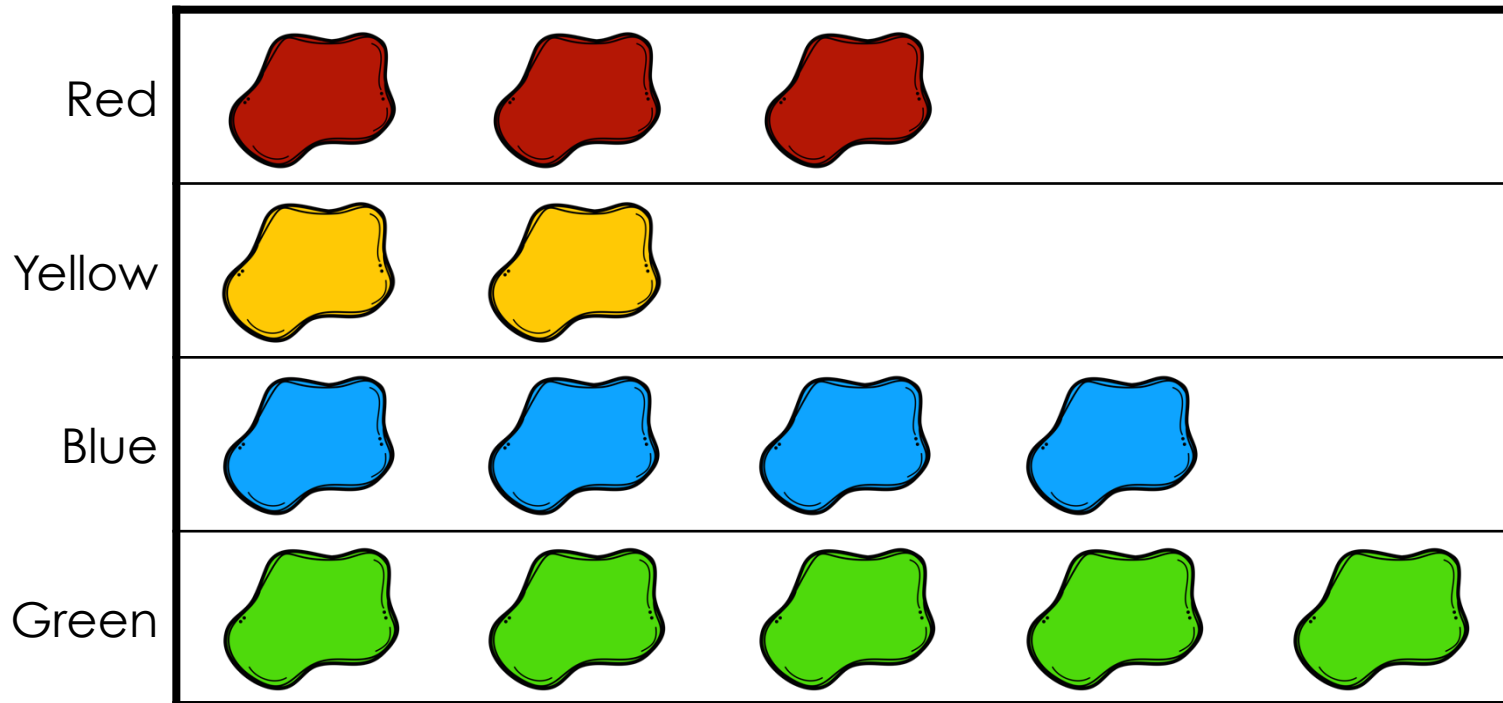
HOME

NEXT

# 6

## How many students like blue?

### Our Favorite Colors



Oops! Try again

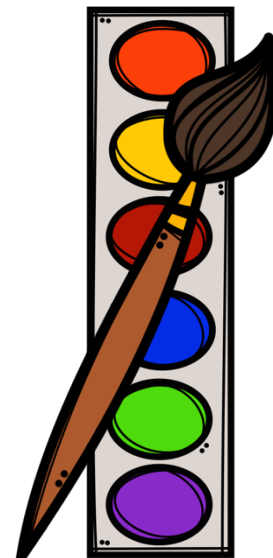
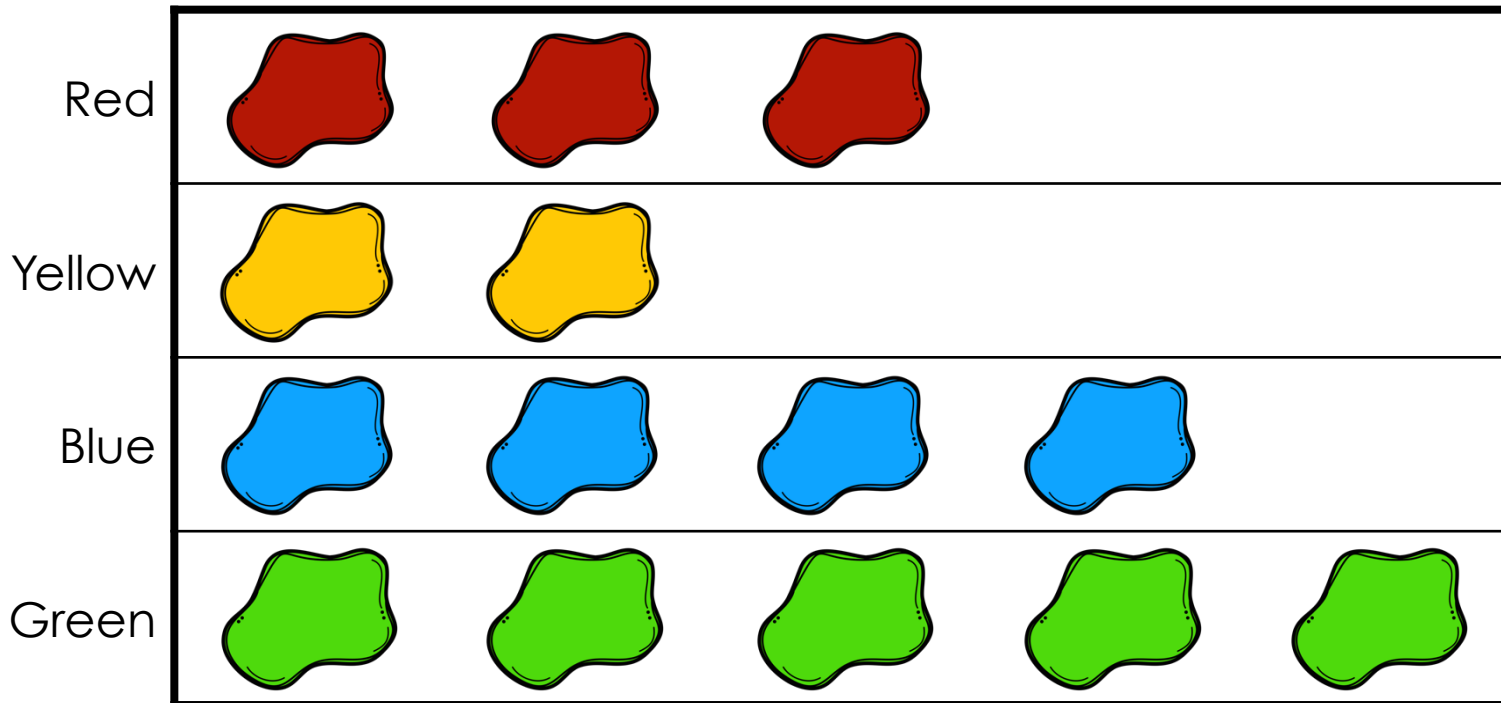
HOME

NEXT

# 6

YES! Four students like blue.

## Our Favorite Colors



3

4

5

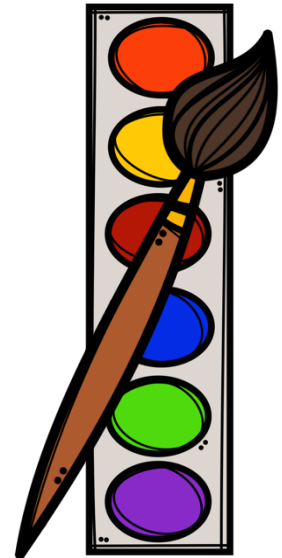
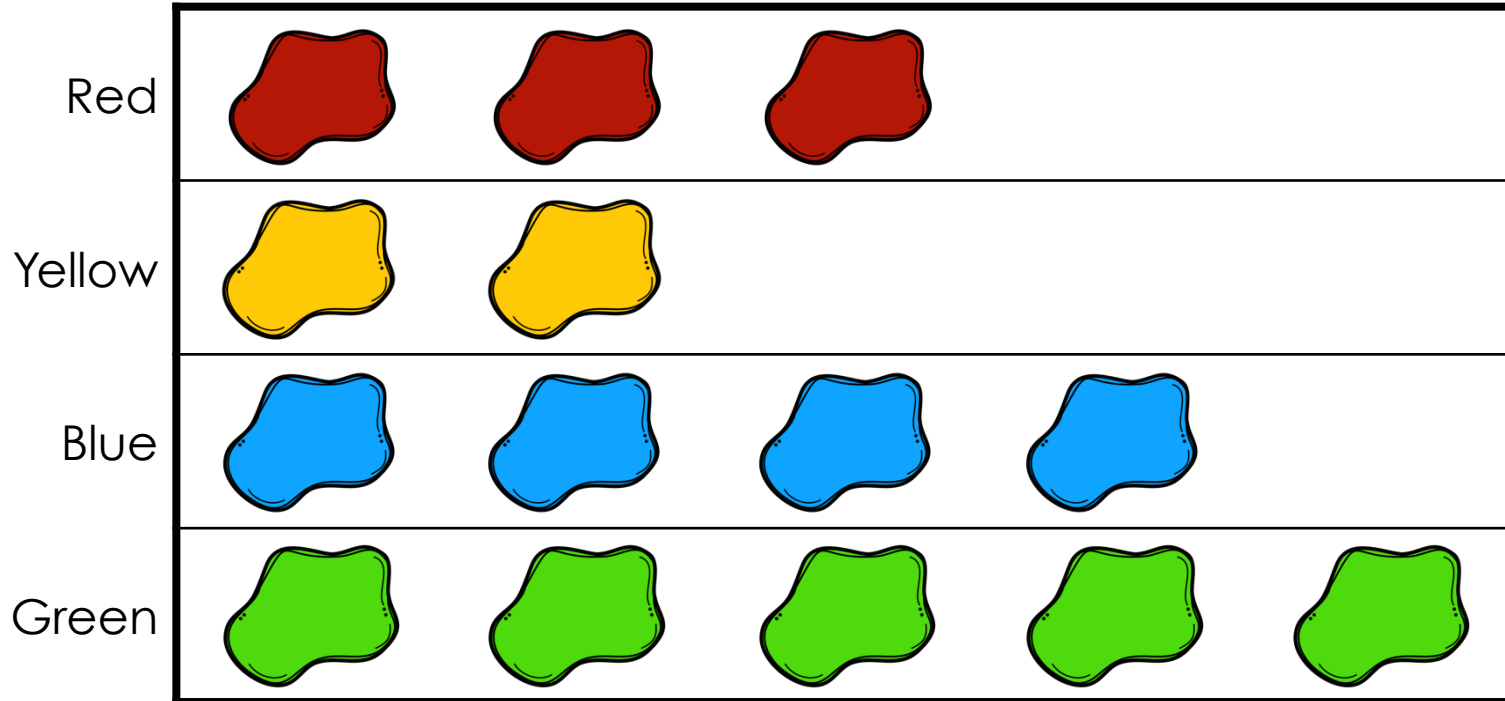
HOME

NEXT

# 7

## How many students like green or yellow?

### Our Favorite Colors



5

6

7

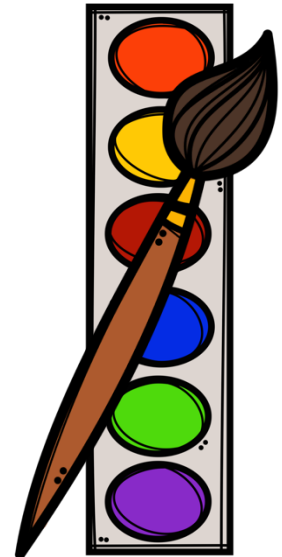
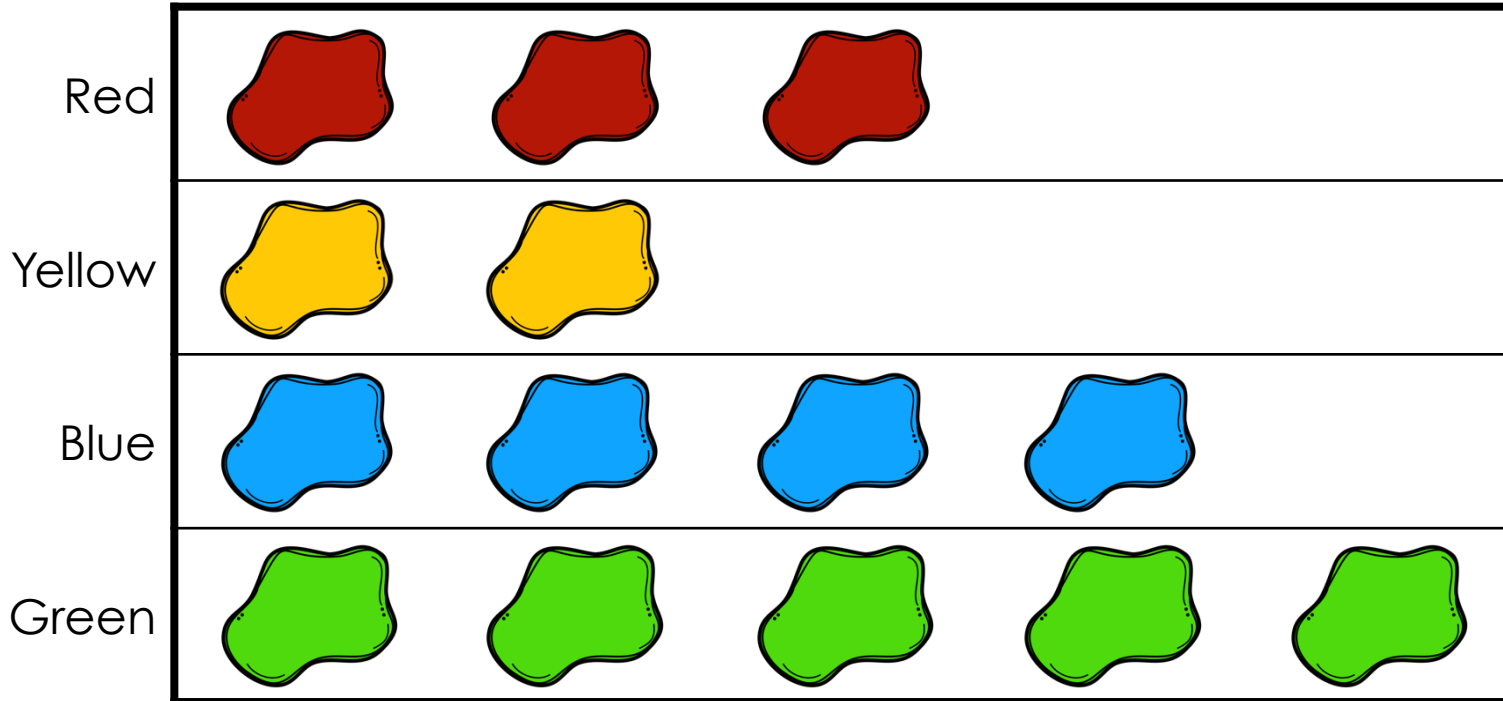
HOME

NEXT

7

How many students like green or yellow?

Our Favorite Colors

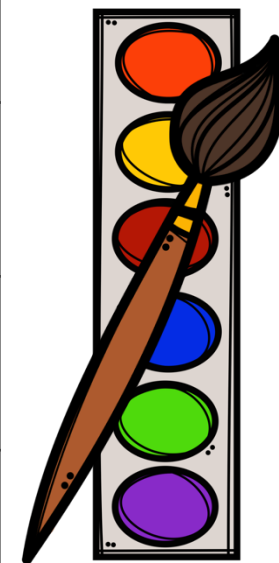
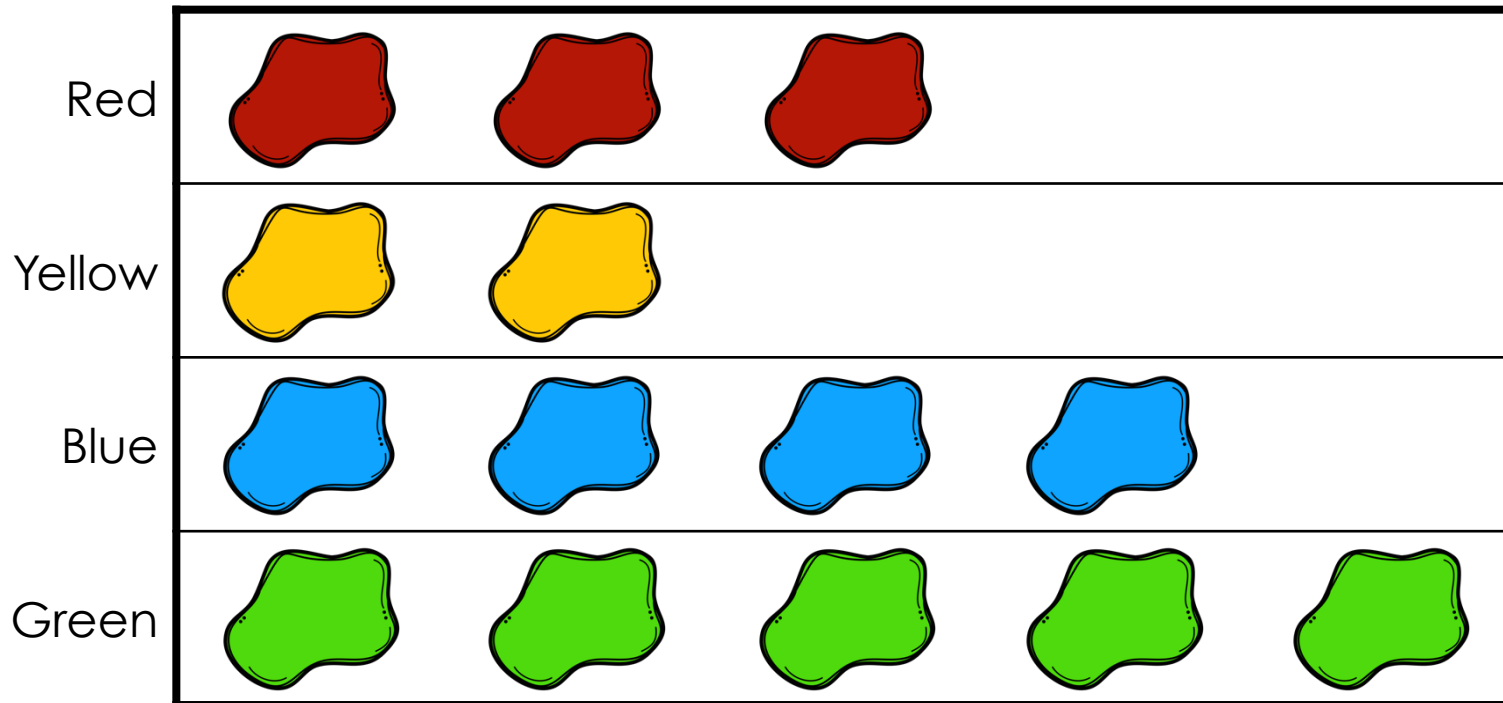


Oops! Try again

7

YES! Seven students like green or yellow.

### Our Favorite Colors



5

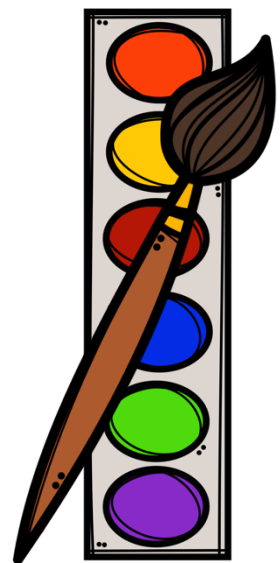
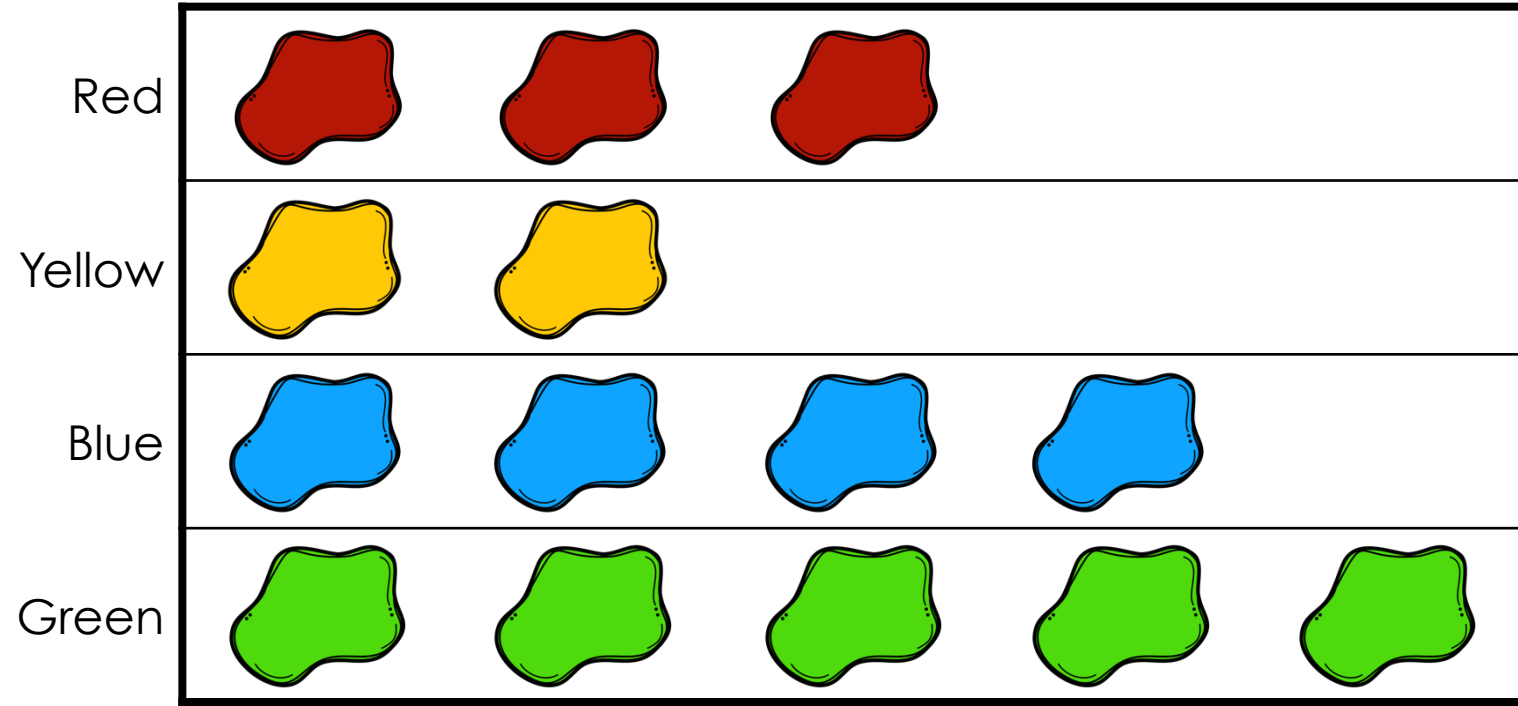
6

7

8

How many fewer students like red than green?

Our Favorite Colors



1

2

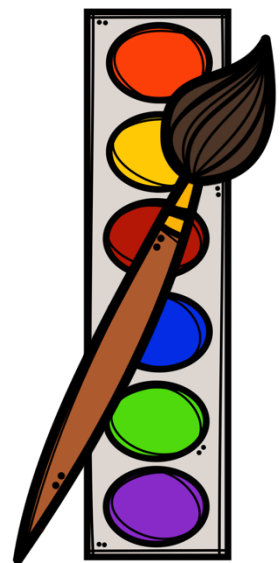
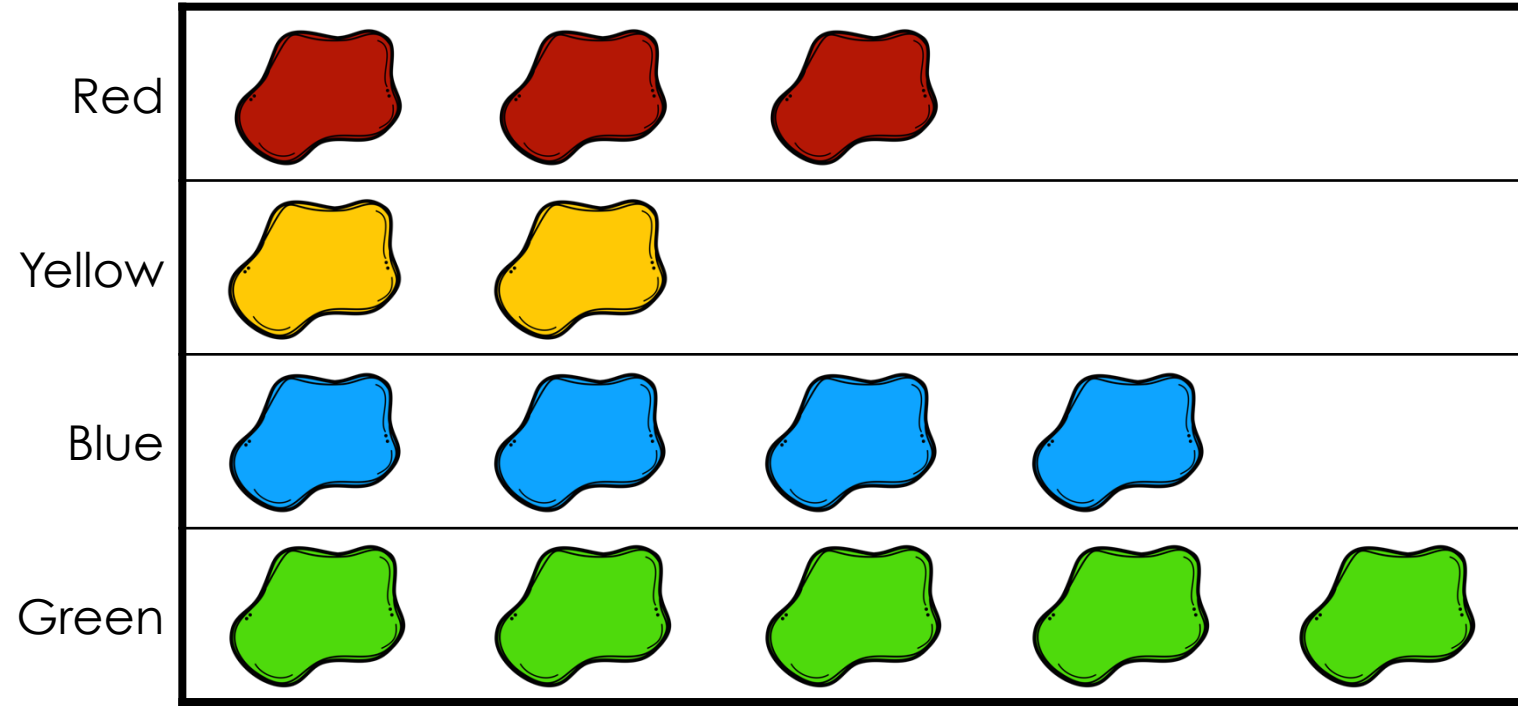
3



8

How many fewer students like red than green?

Our Favorite Colors



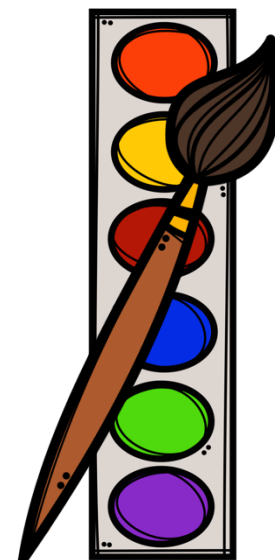
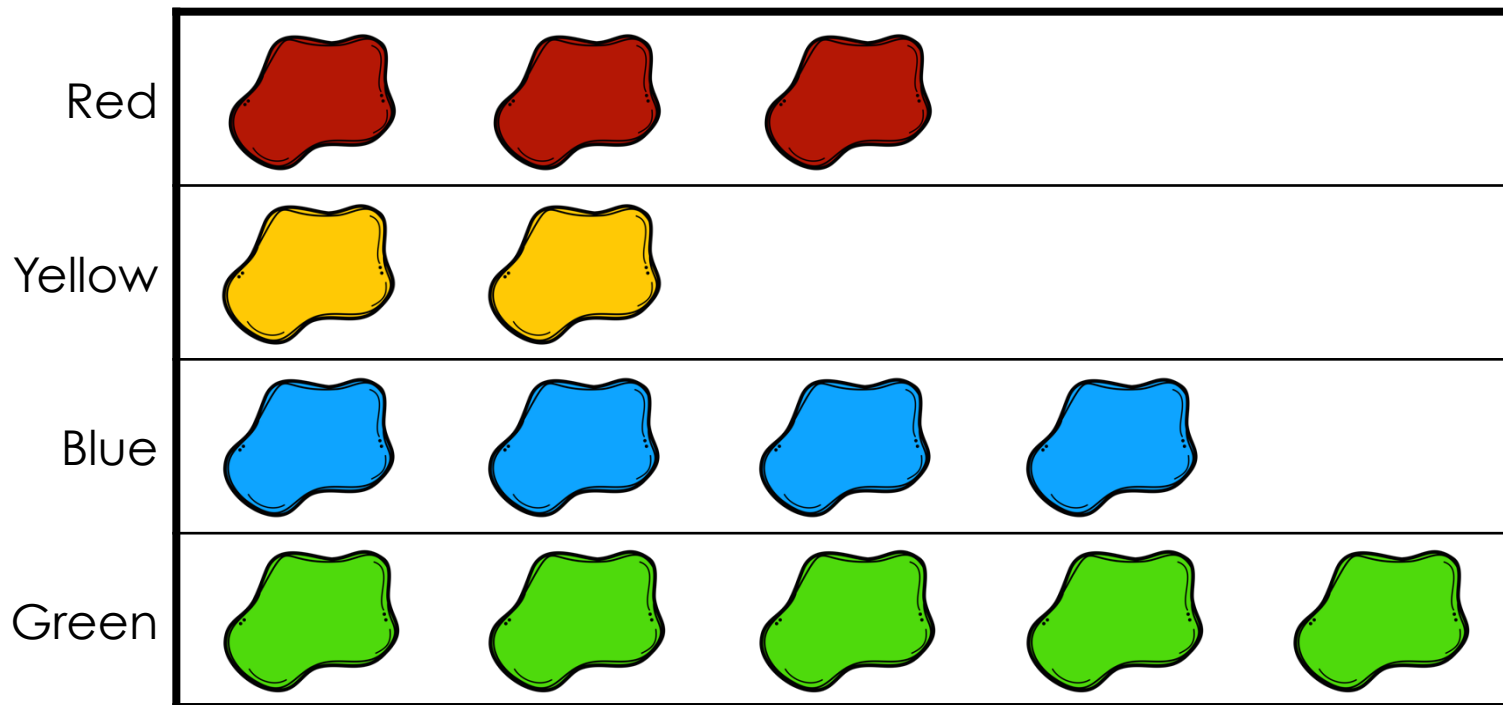
Oops! Try again

HOME

NEXT

YES! Two fewer students like red than green.

## Our Favorite Colors



1

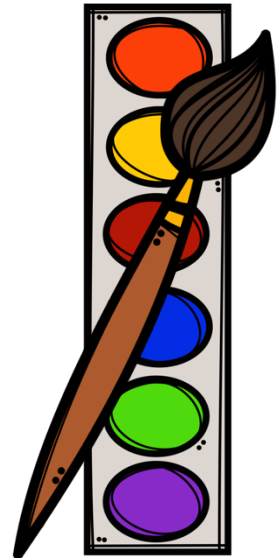
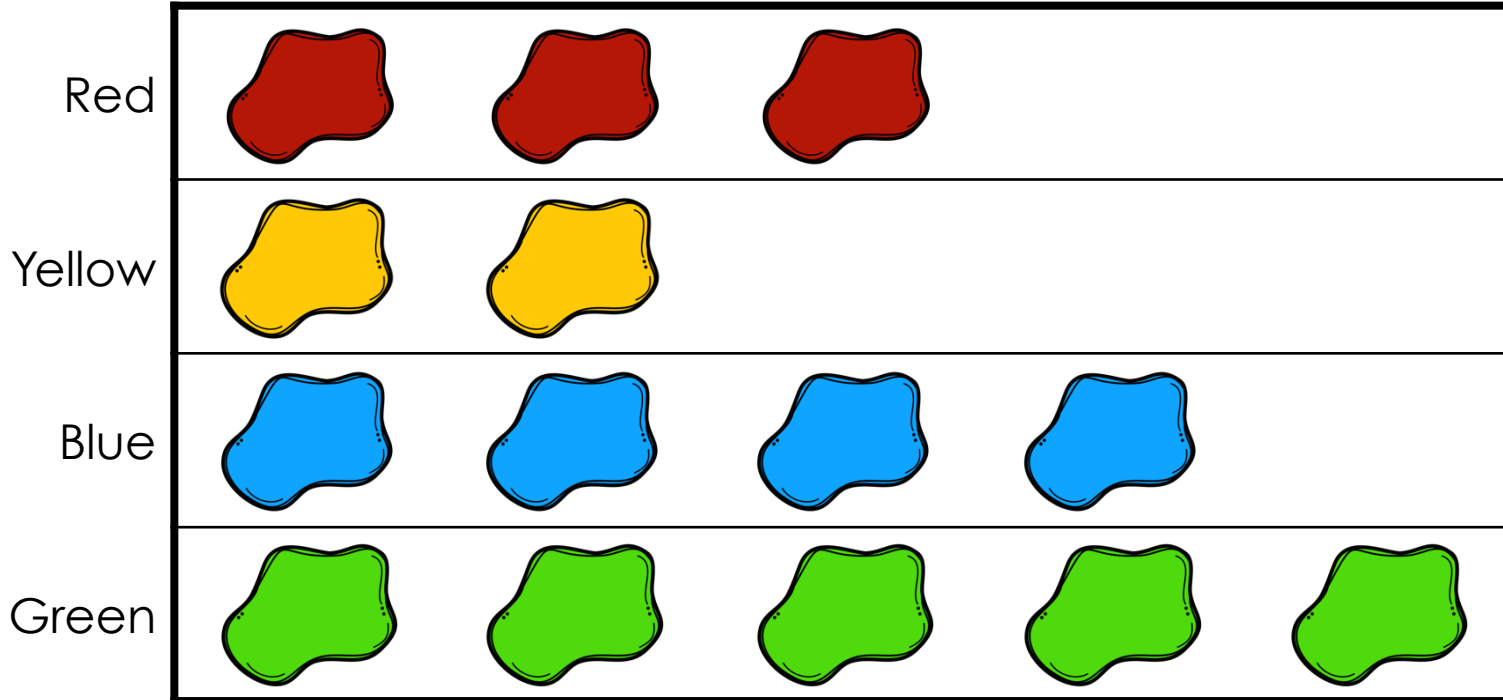
2

3

9

How many students like yellow and blue?

Our Favorite Colors



6

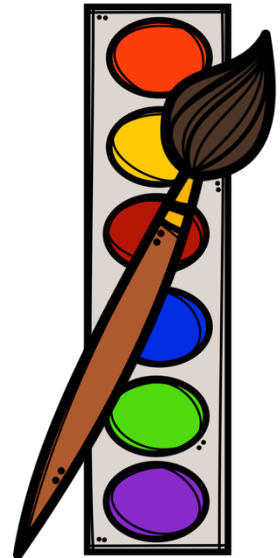
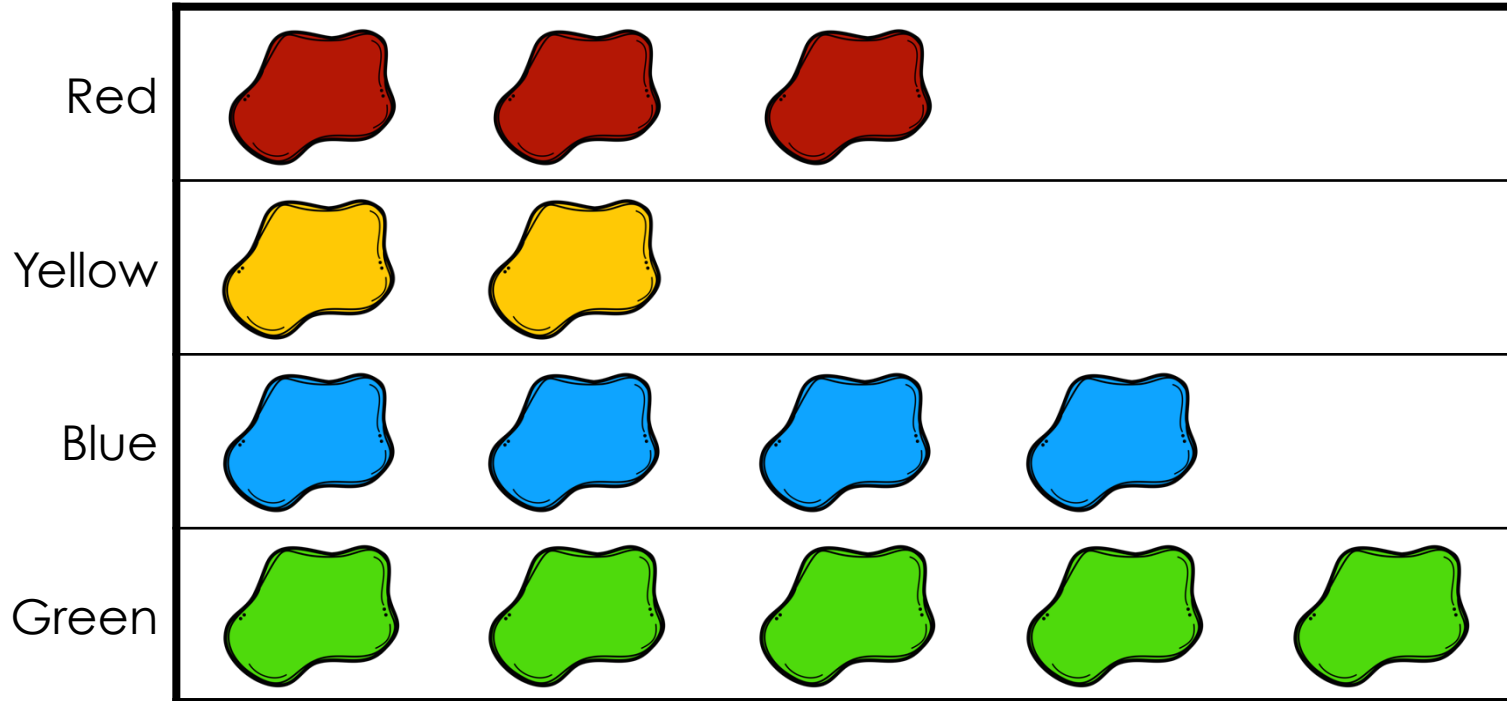
5

7

9

How many students like yellow and blue?

Our Favorite Colors



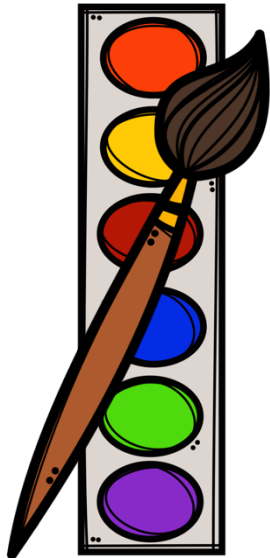
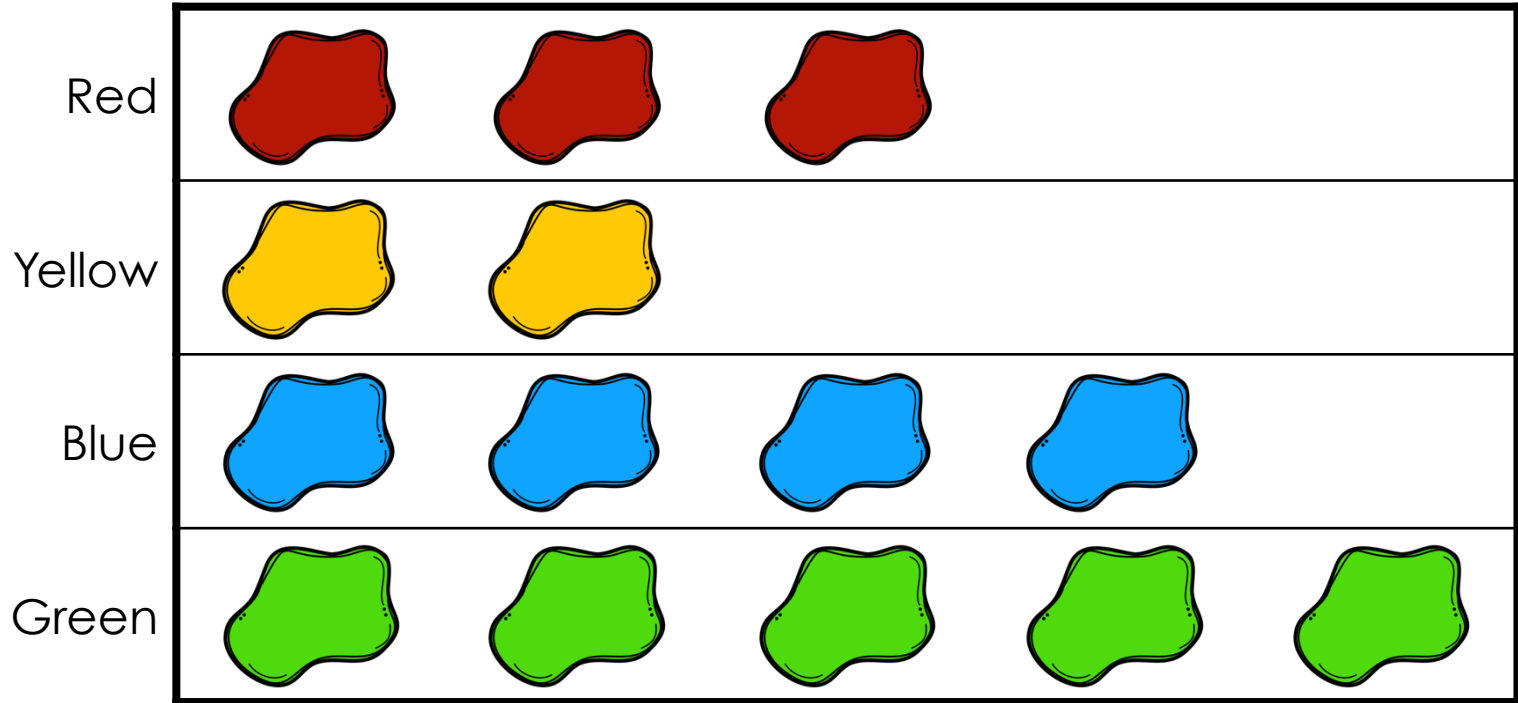
Oops! Try again

HOME

NEXT

YES! Six students like yellow and blue.

## Our Favorite Colors



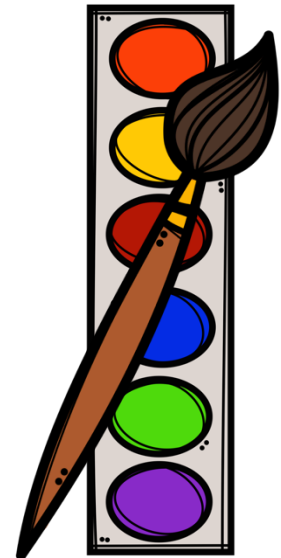
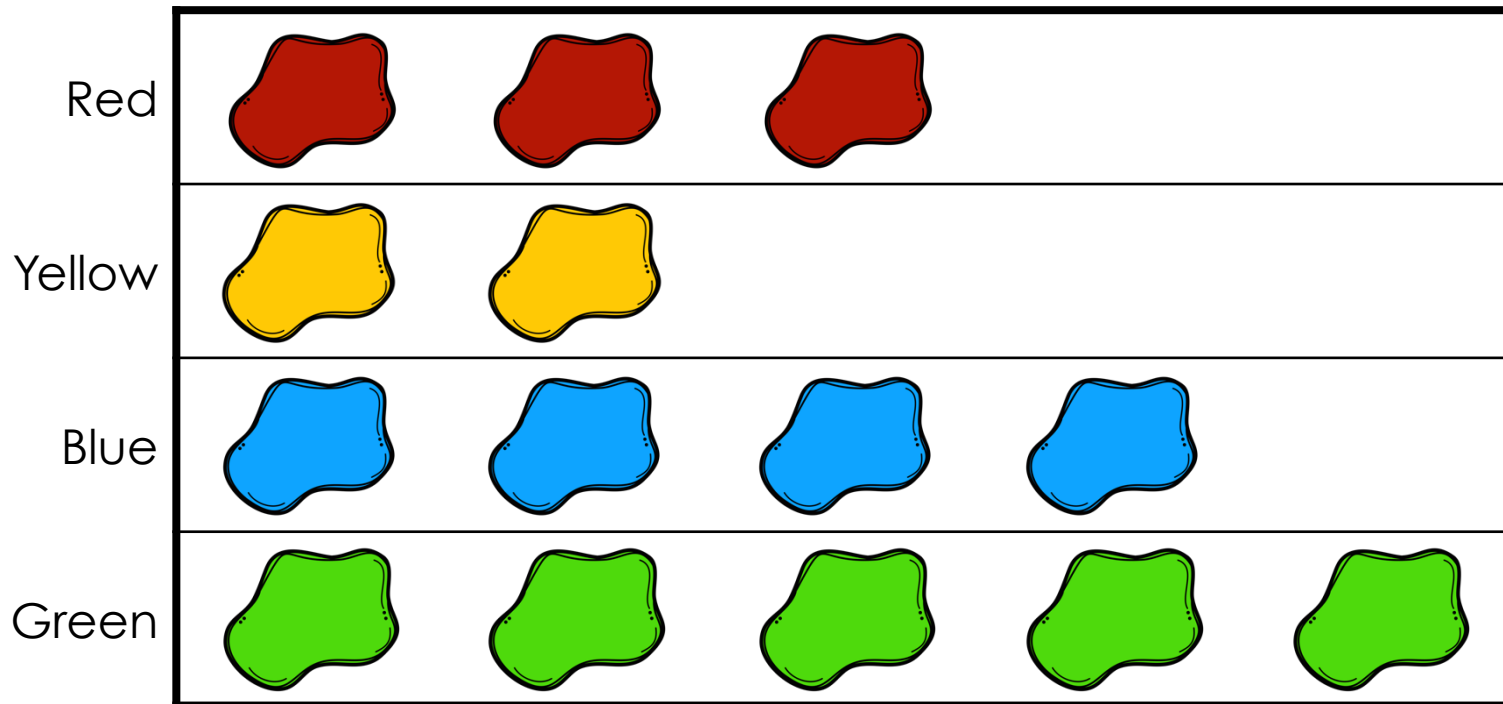
6

5

7

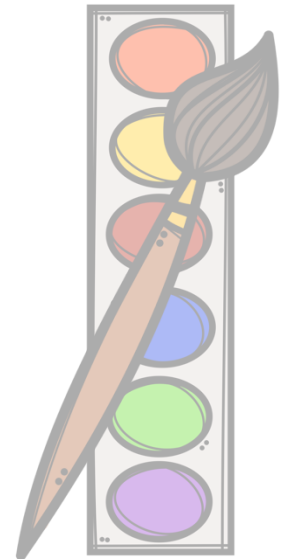
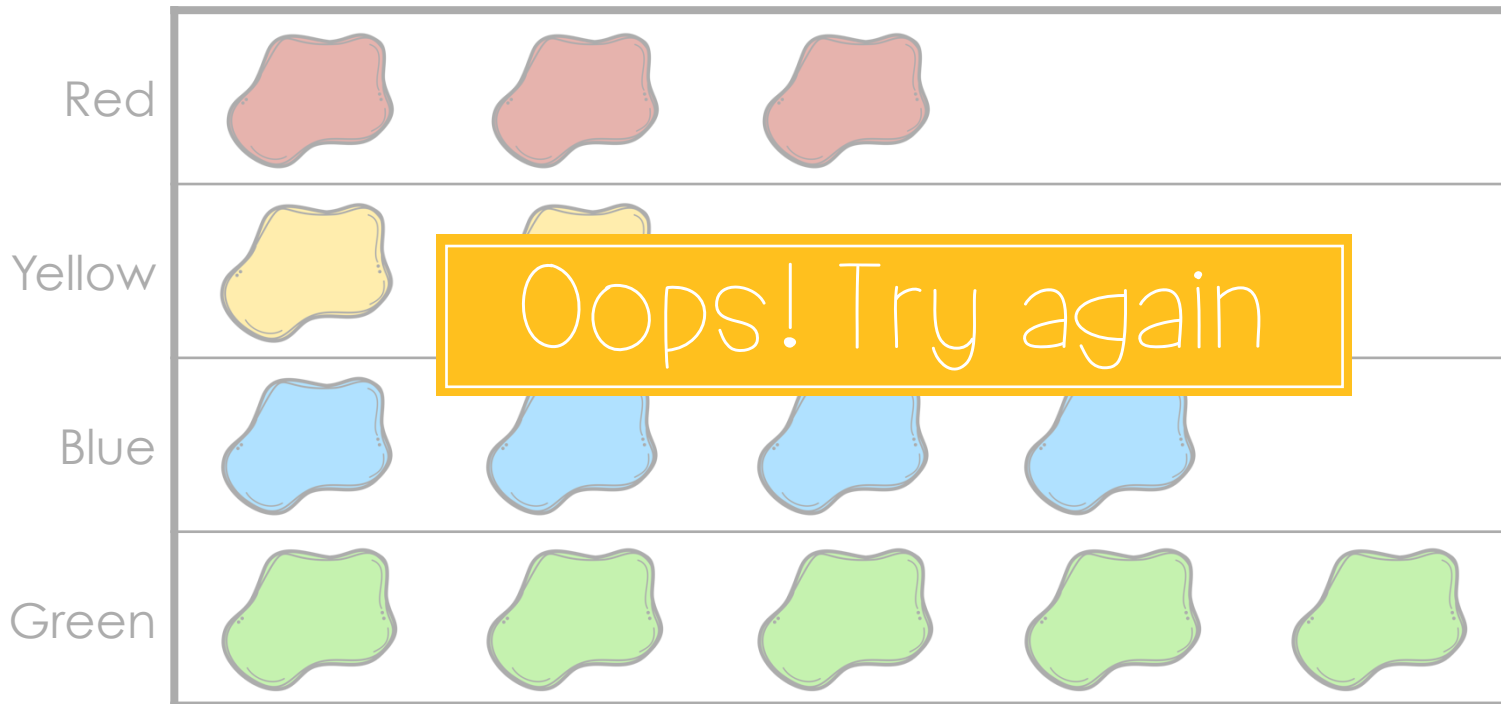
CLICK on the most popular color.

## Our Favorite Colors



CLICK on the most popular color.

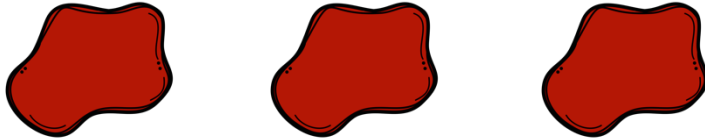
## Our Favorite Colors



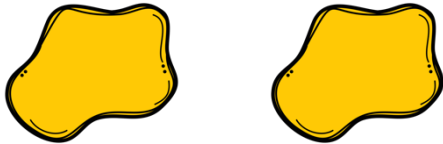
YES! Green is the most popular color.

## Our Favorite Colors

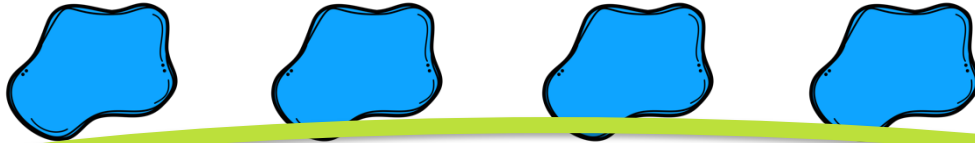
Red



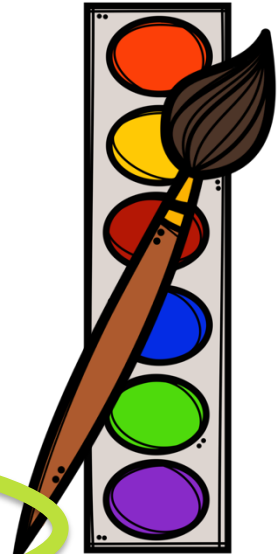
Yellow



Blue

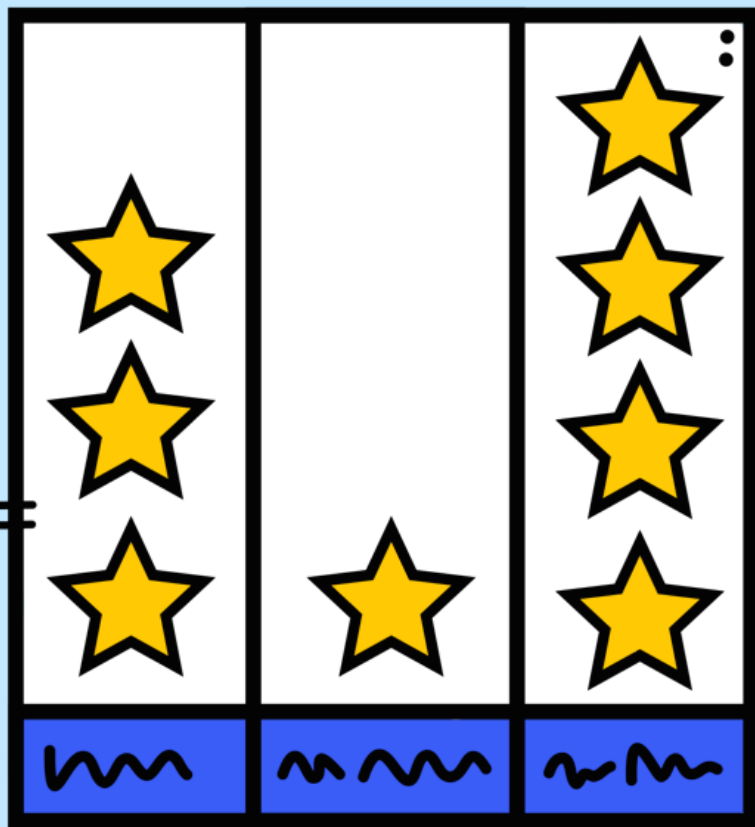


Green





YOU DID IT!



want to play  
another game?

yes,  
Please!

# Fun with

# TABLES



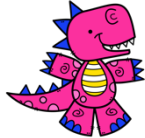
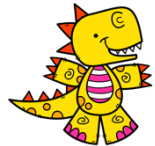

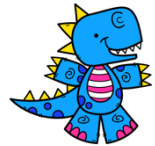
Ready to get  
started?

yes,  
Please!

# 1

## How many pink dinosaurs are there?

### Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

4





5

6

# 1

## How many pink dinosaurs are there?

### Dinosaur Toys

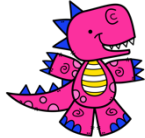


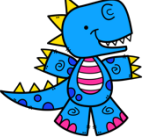
Colors	Number of Dinosaurs
	###
	###
	###
	

Oops! Try again

# 1

YES! There are five pink dinosaurs.

## Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

4

5

6




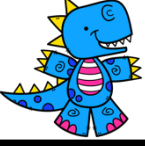
HOME

NEXT

# 2

## How many green dinosaurs are there?

### Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

6

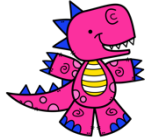



9

8

# 2

## How many green dinosaurs are there?

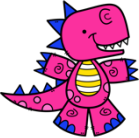


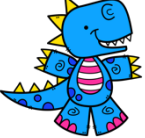
### Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

Oops! Try again

YES! There are nine green dinosaurs.

## Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

6

9





8



# 3

## How many dinosaurs are blue or yellow?

### Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

10

6

4

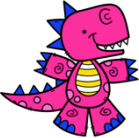


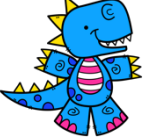
HOME

NEXT

# 3

## How many dinosaurs are blue or yellow?

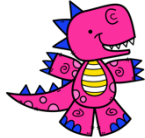


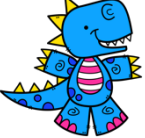
### Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

Oops! Try again

YES! There are ten dinosaurs that are blue or yellow.

## Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

10

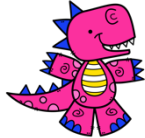



6

4

# 4

## How many more dinosaurs are yellow than pink?

### Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

11

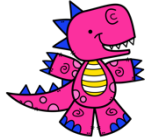



6

1

4

How many more dinosaurs are yellow than pink?

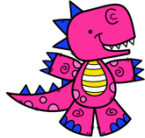


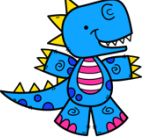
Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

Oops! Try again

YES! One more dinosaur is yellow than pink.

## Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

11





6

1

# 5

## How many dinosaurs are there in all?

### Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

42





20

24

# 5

## How many dinosaurs are there in all?

### Dinosaur Toys

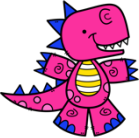


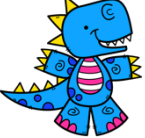
Colors	Number of Dinosaurs
	###
	###
	###
	

Oops! Try again



YES! There are 24 dinosaurs in all.

## Dinosaur Toys

Colors	Number of Dinosaurs
	###
	###
	###
	

42





20

24

# 6

## How many students like winter?

### Favorite Seasons

Seasons	Number of Students
	
	#
	#
	#

9





8

10

# 6

## How many students like winter?





### Favorite Seasons

Seasons	Number of Students
	
	#     #
	#
	#

Oops! Try again

YES! Ten students like winter.

## Favorite Seasons

Seasons	Number of Students
	
	#
	#
	#

9





8

10

7

How many students like summer?

Favorite Seasons

Seasons	Number of Students
	
	#
	#
	#

6





7

8

7

# How many students like summer?

## Favorite Seasons





Seasons	Number of Students
	
	#
	#
	#

Oops! Try again

# 7

YES! Seven students like summer.

## Favorite Seasons

Seasons	Number of Students
	
	
	
	

6

7

8





HOME

NEXT

# 8

## How many less students like fall than summer?

### Favorite Seasons

Seasons	Number of Students
	
	
	
	

4

5





3



# 8

## How many less students like fall than summer?





### Favorite Seasons

Seasons	Number of Students
	
	
	
	

Oops! Try again

YES! Four less students like fall than summer.

## Favorite Seasons

Seasons	Number of Students
	
	#
	#
	#

4





5

3

9

# How many students like winter and spring?

## Favorite Seasons

Seasons	Number of Students
	
	
	
	

10





5

15

9

# How many students like winter and spring?





## Favorite Seasons

Seasons	Number of Students
	
	
	
	

Oops! Try again

YES! Fifteen students like winter and spring.

## Favorite Seasons

Seasons	Number of Students
	
	
	
	

10





5

15

# 10

## How many students do NOT like Spring?

### Favorite Seasons

Seasons	Number of Students
	
	
	
	

20





5

12

# 10

## How many students do NOT like Spring?





### Favorite Seasons

Seasons	Number of Students
	
	
	
	

Oops! Try again

YES! Twenty students do not like spring.

## Favorite Seasons

Seasons	Number of Students
	
	
	
	

20

5

12



YOU DID IT!

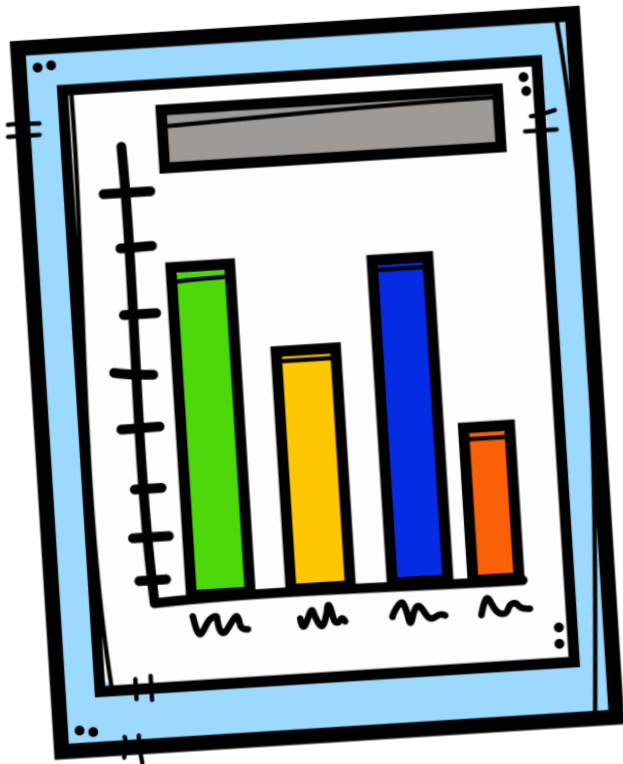


want to play  
another game?

yes,  
Please!

# Labeling

# GRAPHS



Ready to get started?

yes,  
Please!

# 1

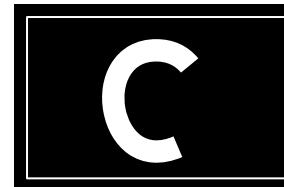
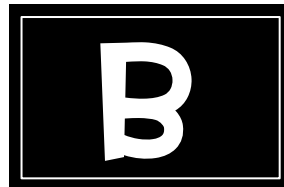
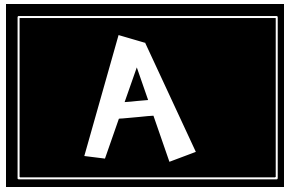
## Where should I write "Our Favorite Games"?

A

B

7					
6					
5					
4					
3					
2					
1					
	D	E	F	G	H

C

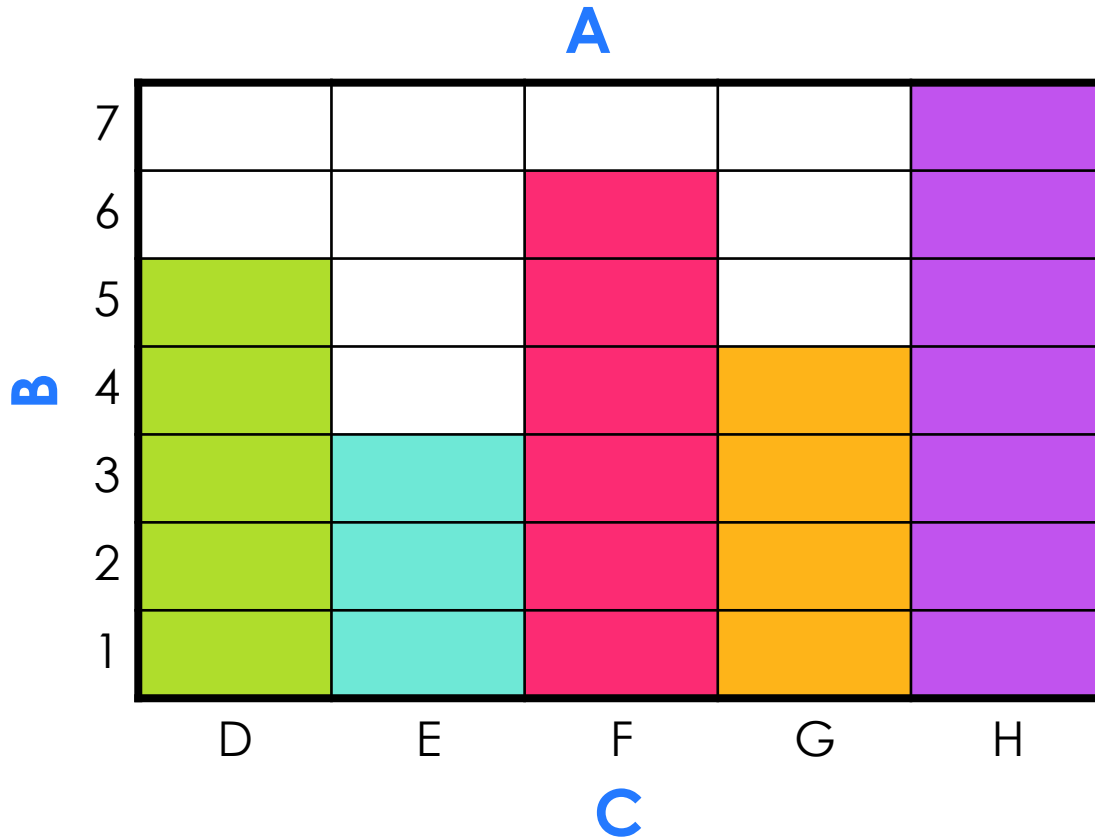


HOME

NEXT

1

# Where should I write "Our Favorite Games"?



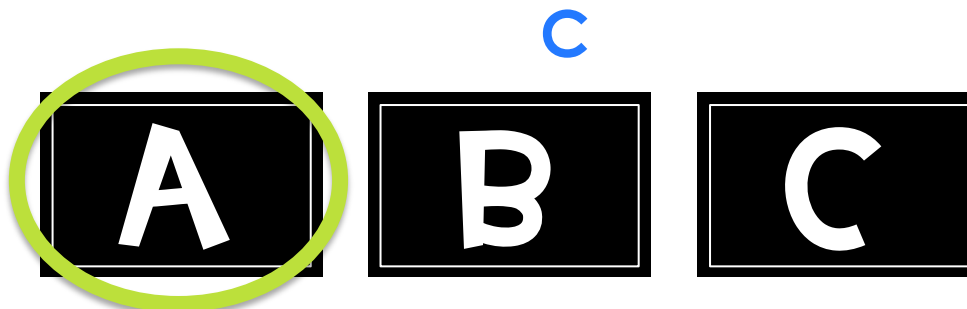
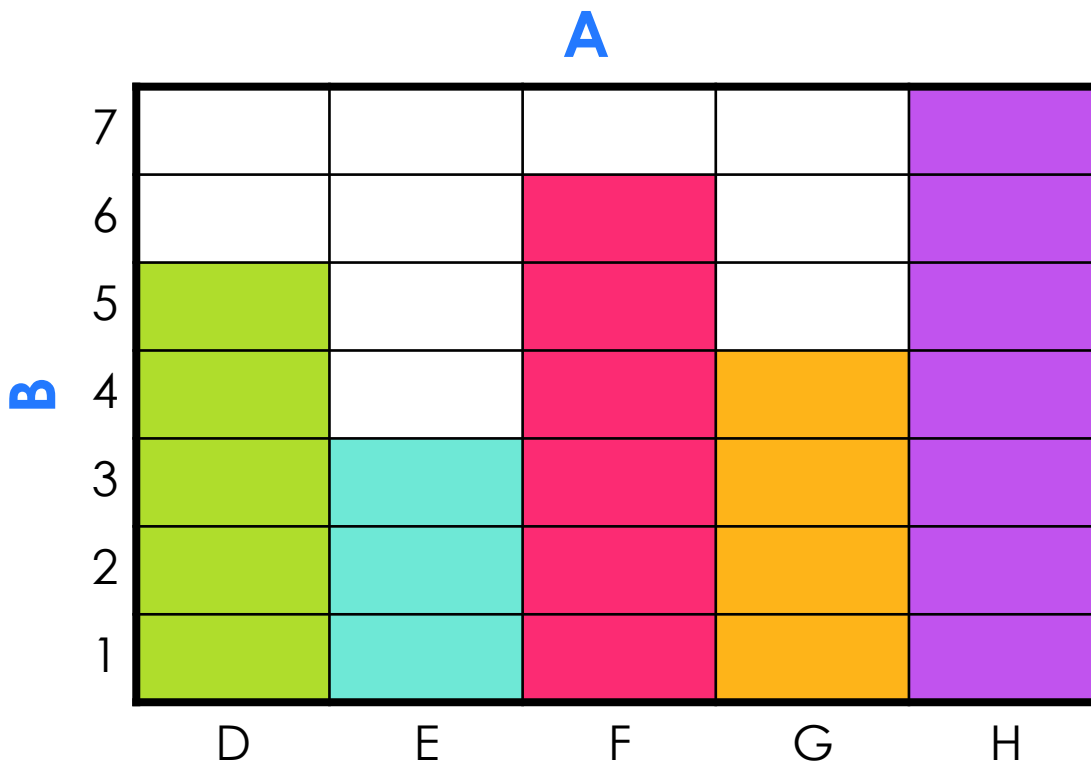
Oops! Try again

HOME

NEXT

1

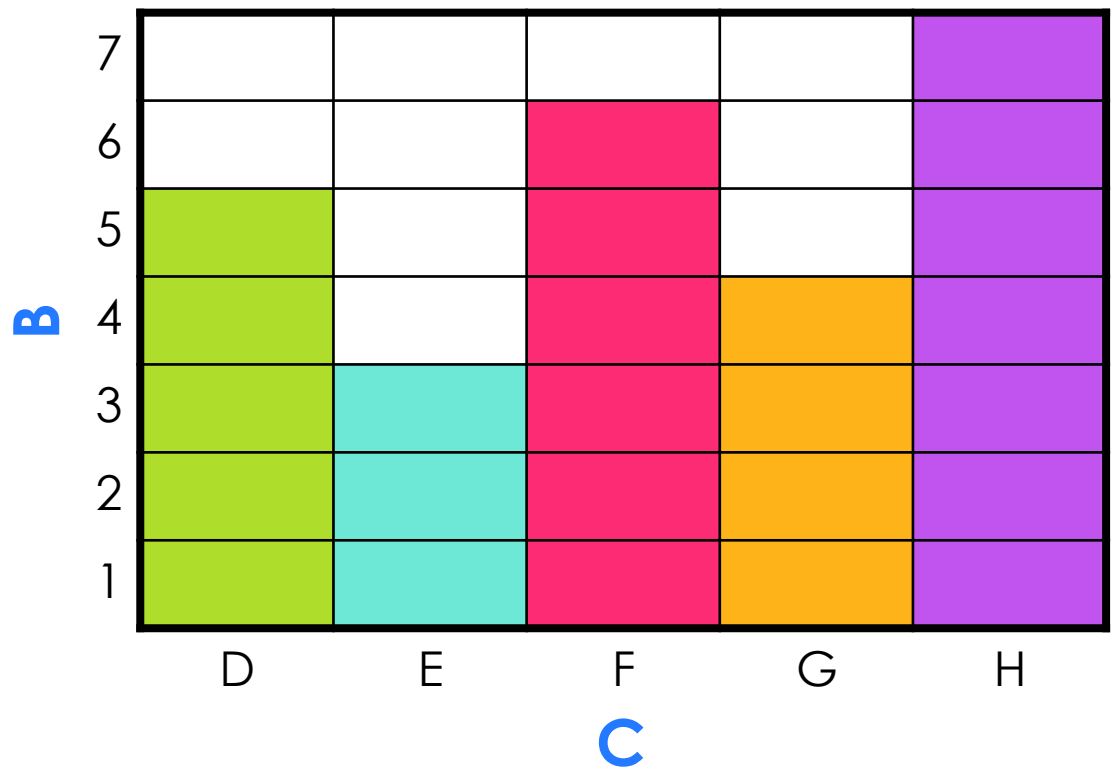
YES! I should write it in "A".



# 2

## Where should I write "Games"?

Our Favorite Games



A

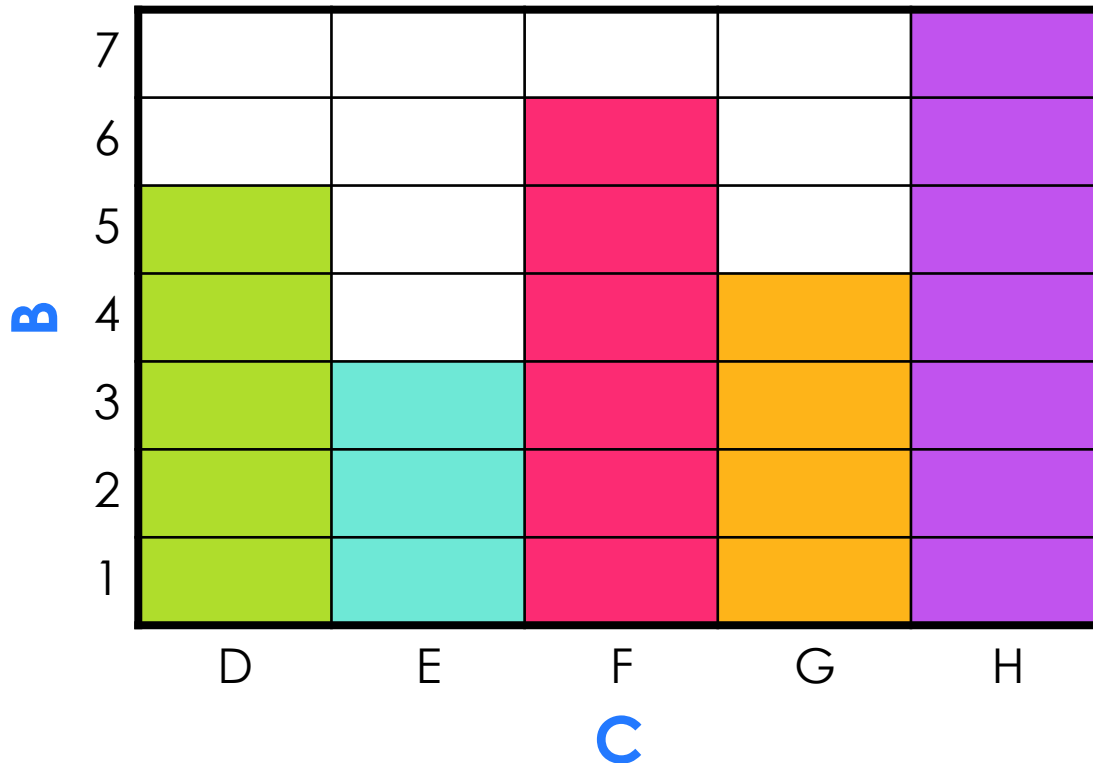
B

C

2

Where should I write "Games"?

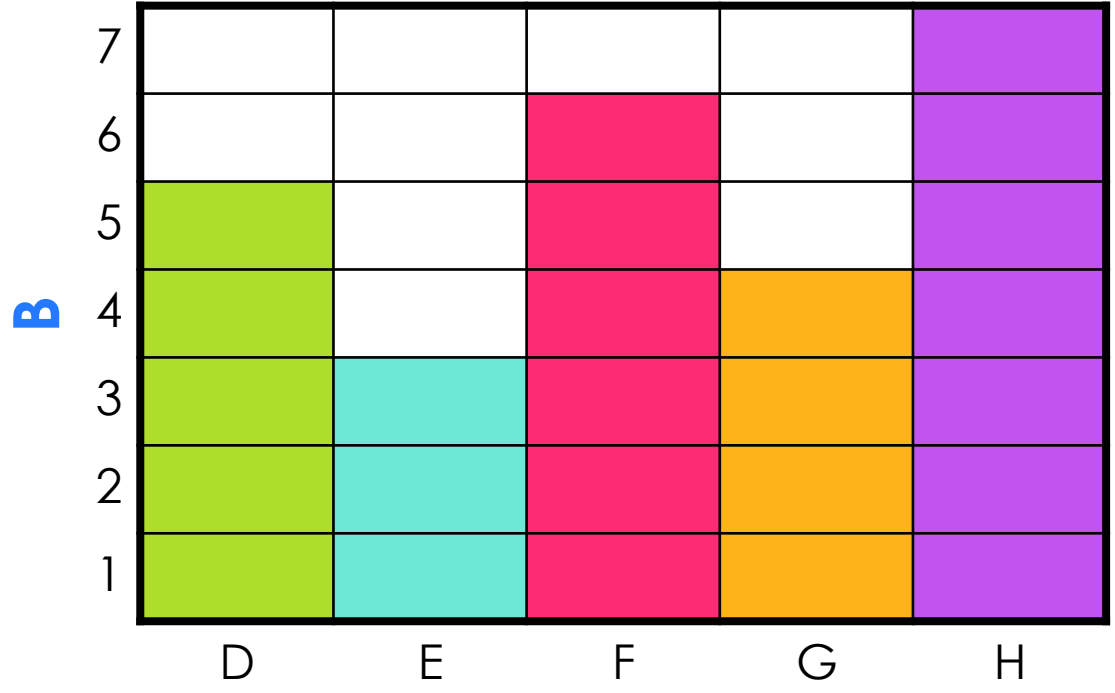
### Our Favorite Games



Oops! Try again

YES! I should write it in "C".

## Our Favorite Games



A

B

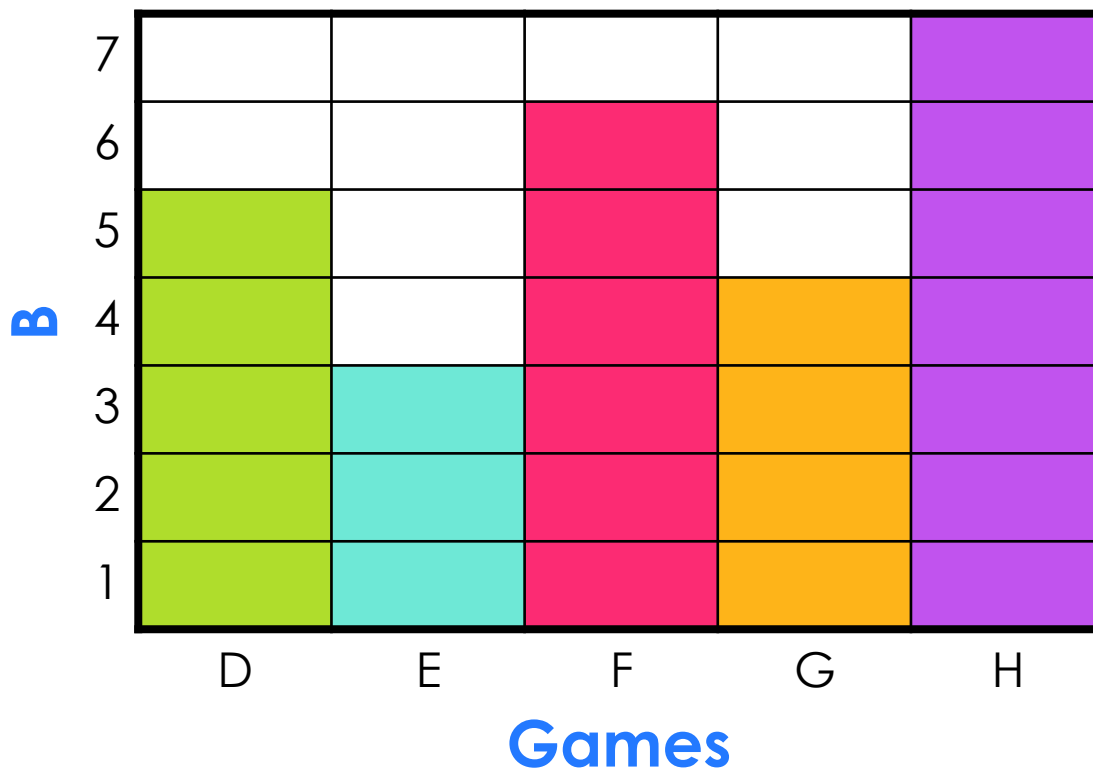
C



# 3

## Where should I write "Number of Students"?

### Our Favorite Games



**A**

**B**

**C**

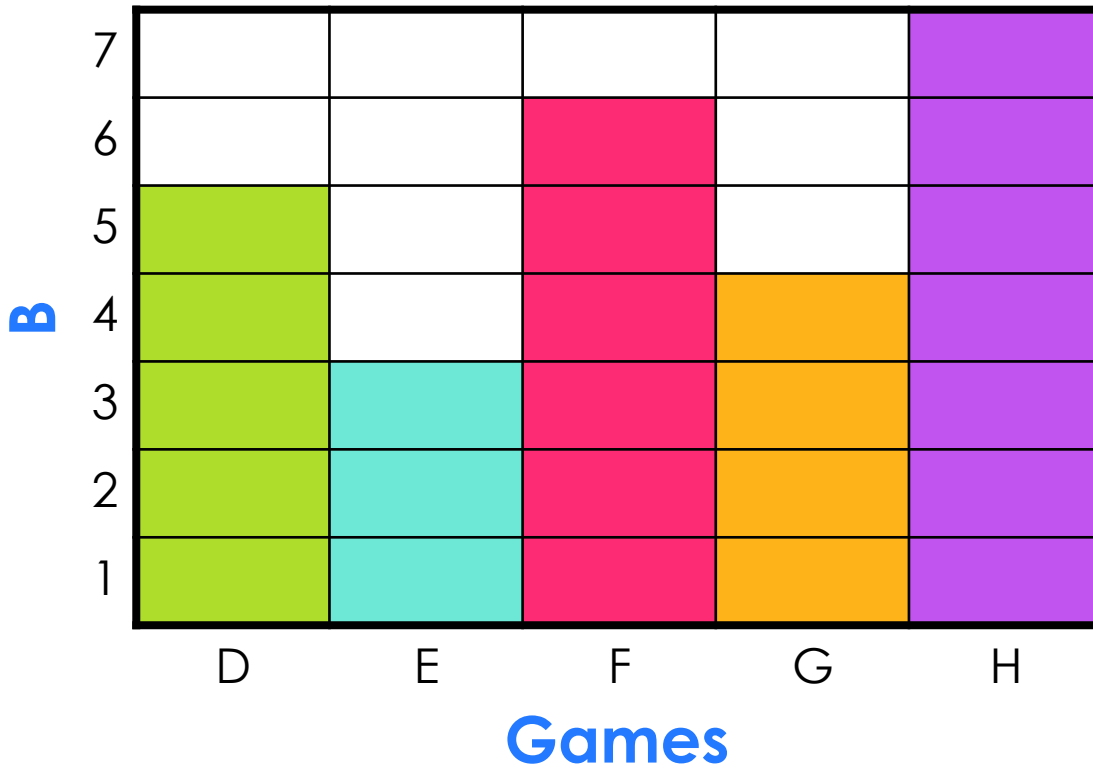
HOME

NEXT

3

Where should I write "Number of Students"?

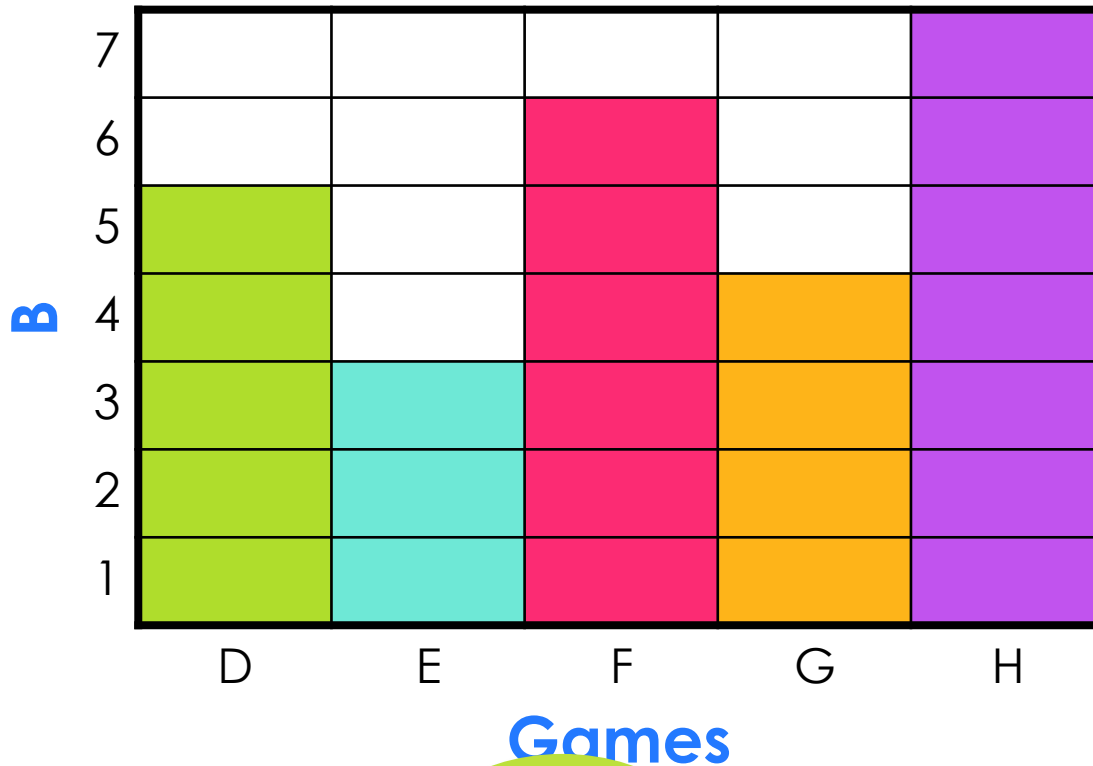
Our Favorite Games



Oops! Try again

YES! I should write it in "B".

## Our Favorite Games



**A**

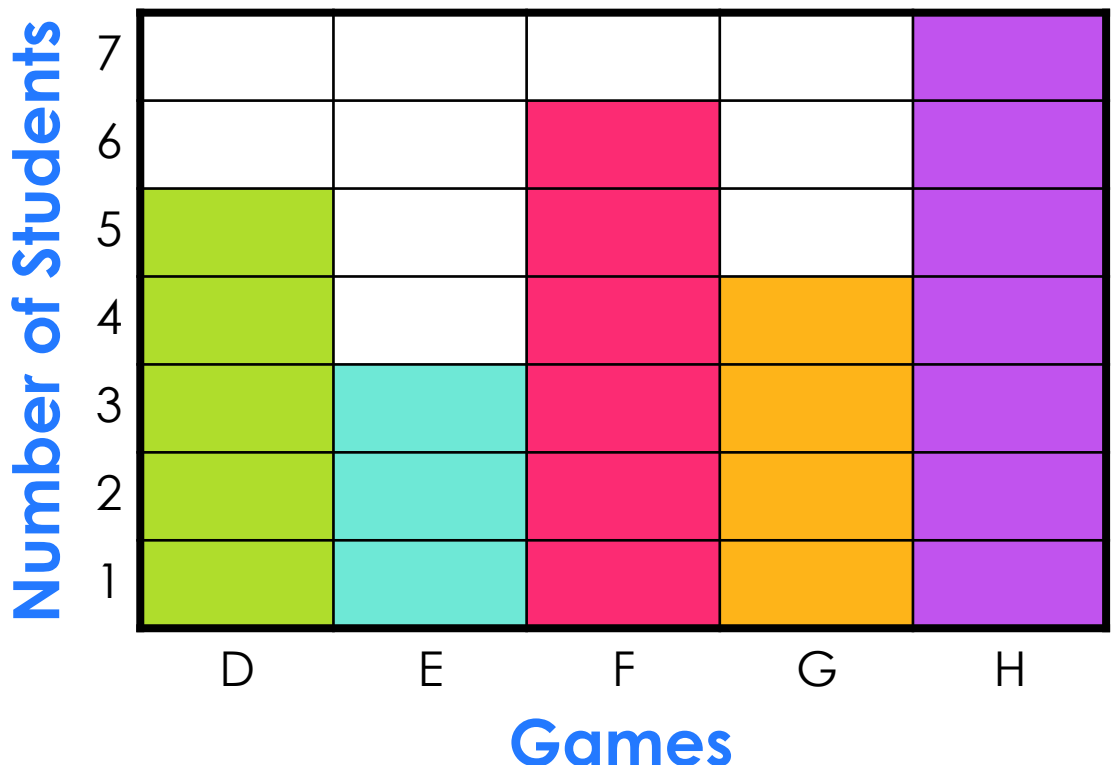
**B**

**C**

4

Seven students prefer playing card games. Where should I write "Cards"?

### Our Favorite Games

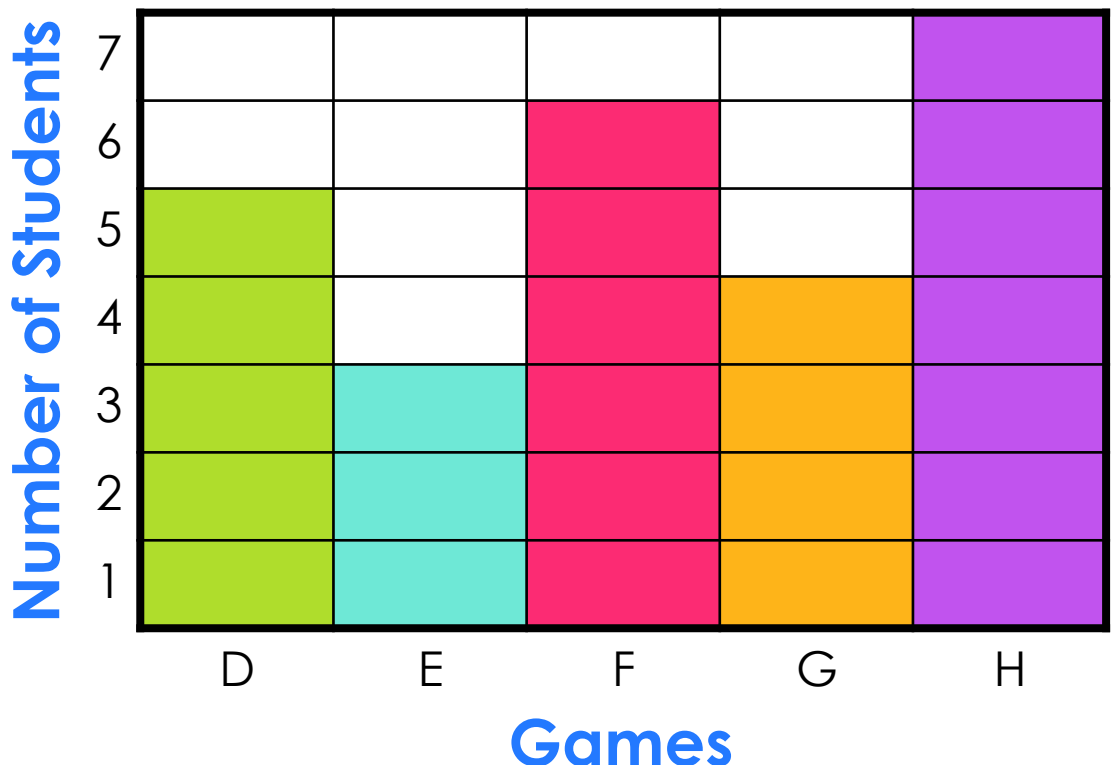


**D**      **F**      **H**

4

Seven students prefer playing card games. Where should I write "Cards"?

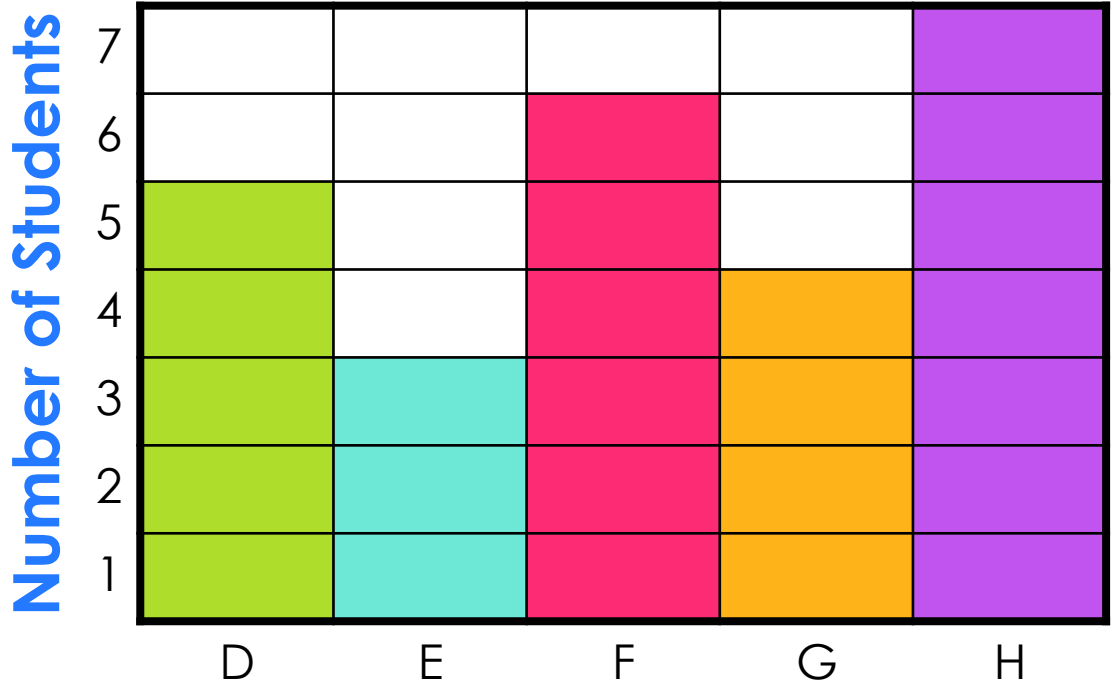
### Our Favorite Games



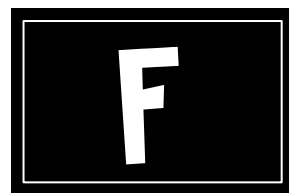
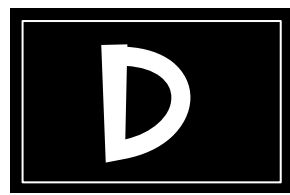
Oops! Try again

YES! I should write it in "H".

## Our Favorite Games



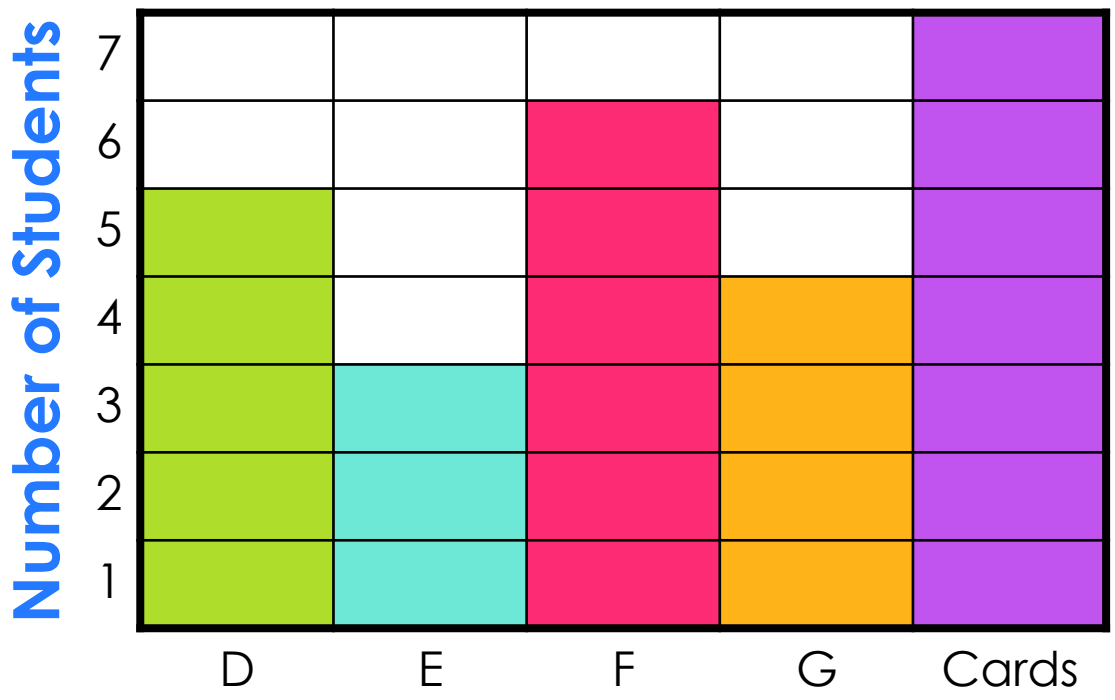
### Games



# 5

The least favorite game is skipping.  
Where should I write "Skipping"?

### Our Favorite Games



D

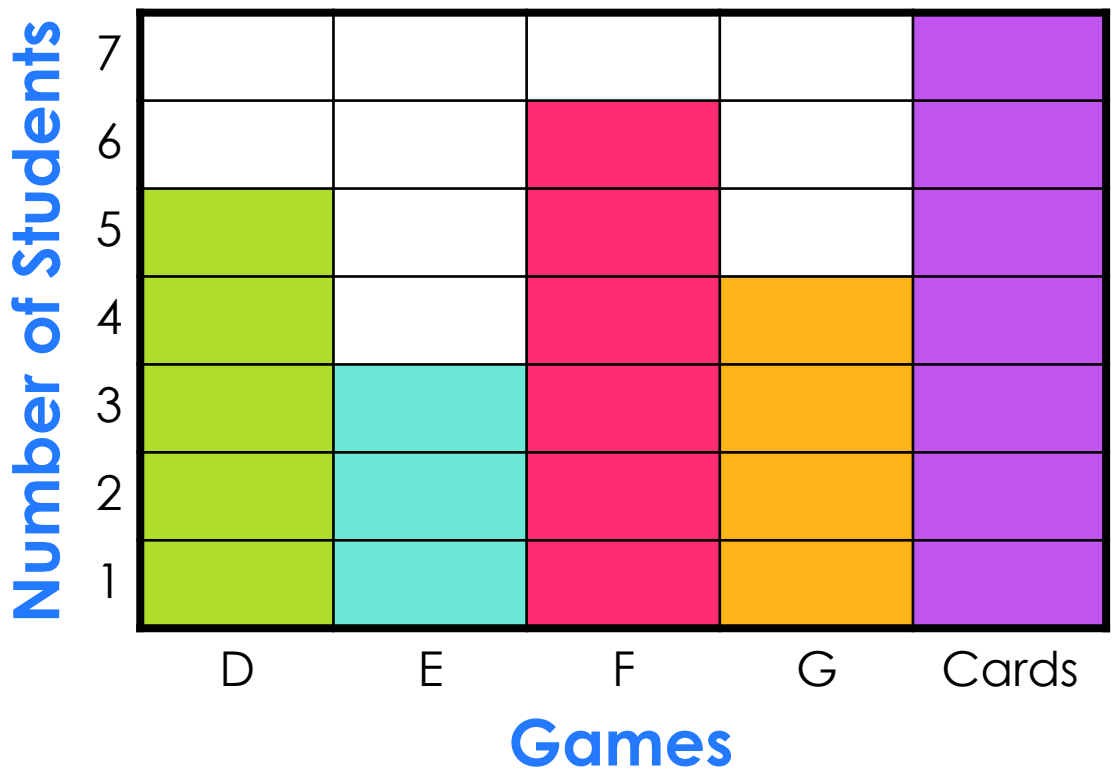
E

g

# 5

The least favorite game is skipping.  
Where should I write "Skipping"?

### Our Favorite Games

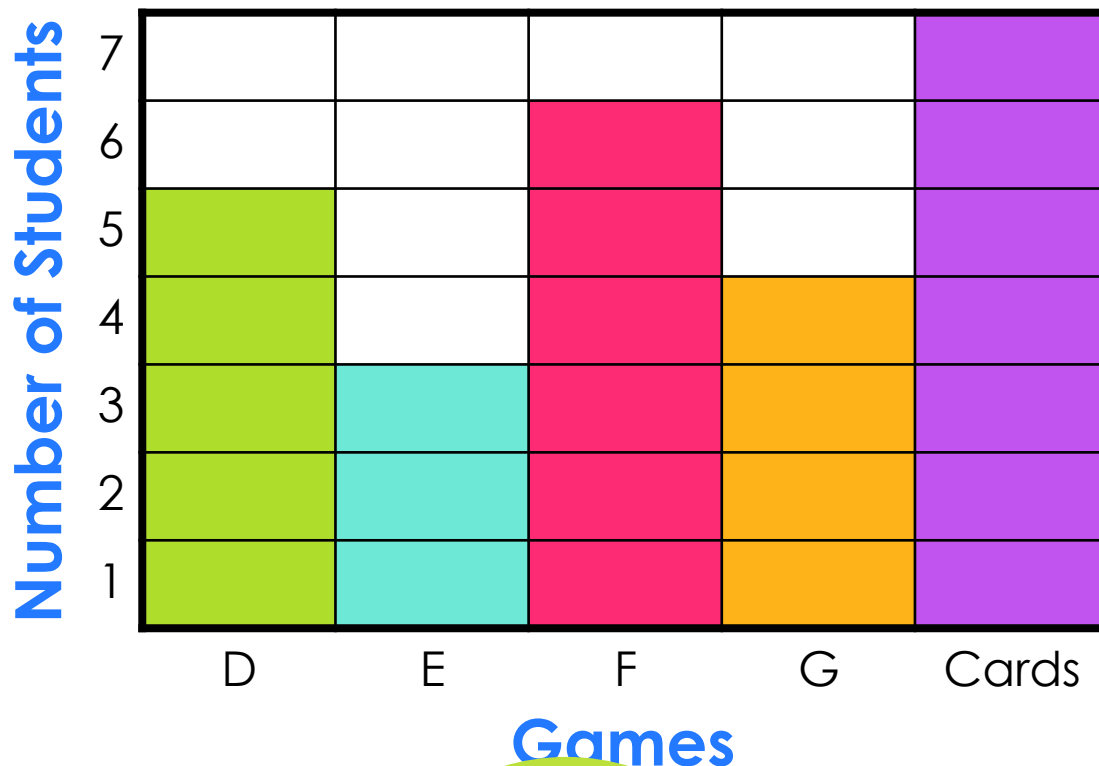


Oops! Try again



YES! I should write it in "E".

## Our Favorite Games



D















E

G

# 6

Where should I write "Favorite Snacks"?

A

C					
D					
E					
F					

B

A















B

C

# 6

## Where should I write "Favorite Snacks"?

A

C					
D					
E					
F					















B

Oops! Try again

# 6

YES! I should write it in "A".

A

C					
D					
E					
F					















B

**A**   **B**   **C**

7

Where should I write "Number of Students"?

Favorite Snacks

C					
D					
E					
F					

B

B















C

D

7

Where should I write "Number of Students"?

Favorite Snacks

C					
D					
E					
F					















B

Oops! Try again

7

YES! I should write it in "B".

### Favorite Snacks

C					
D					
E					
F					















B

<b>B</b>	<b>C</b>	<b>D</b>
----------	----------	----------

8

Where should I write  
"Popcorn"?

Favorite Snacks

C					
D					
E					
F					

Number of Students

D

E

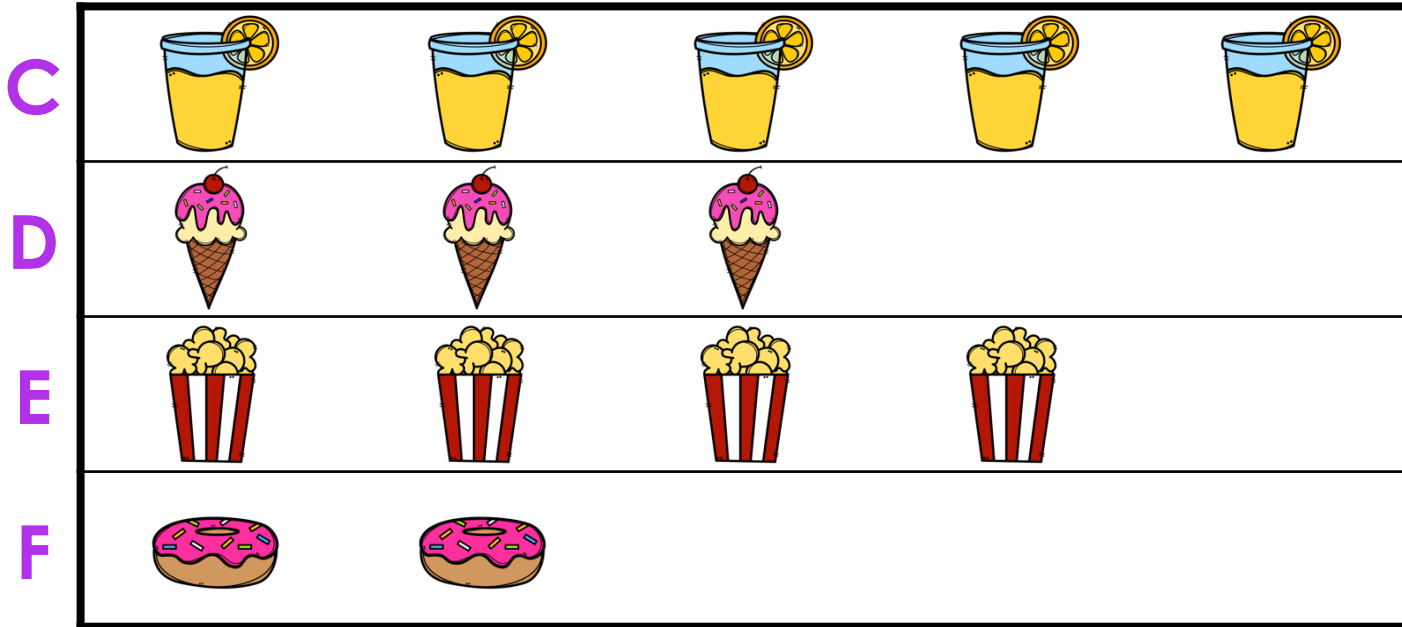
F



8

Where should I write  
"Popcorn"?

Favorite Snacks

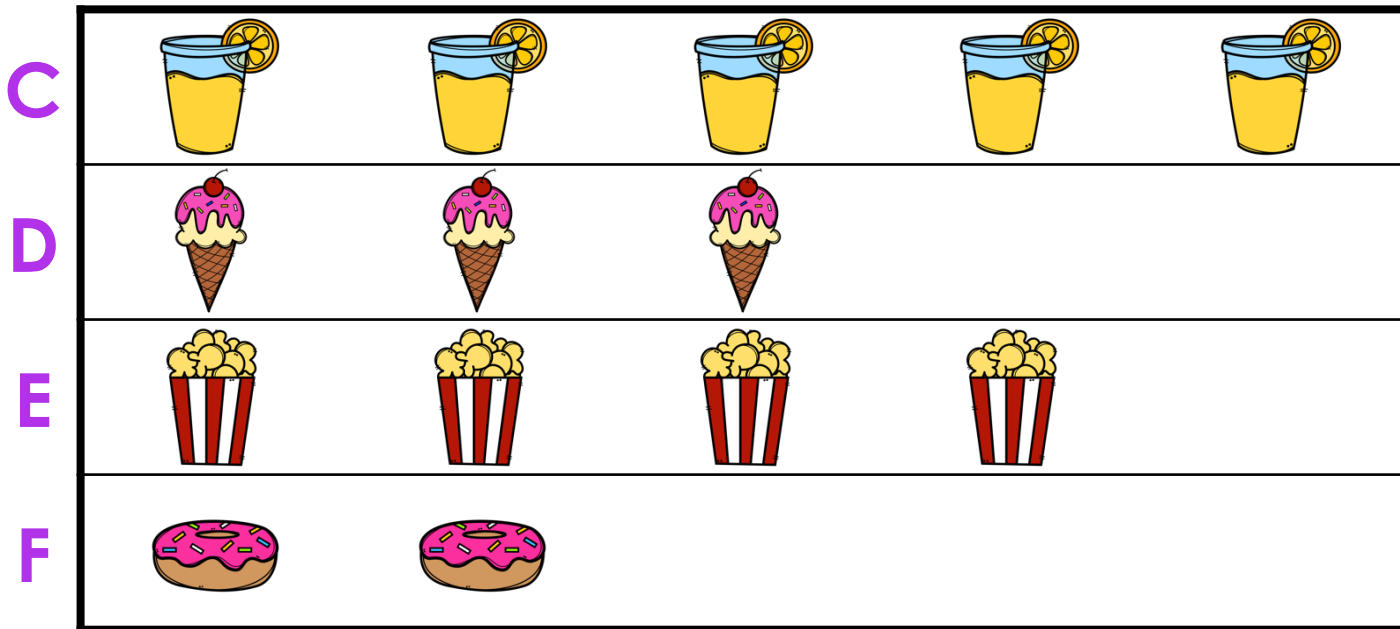


Number of Students

Oops! Try again

YES! I should write it in "E".

## Favorite Snacks







## Number of Students



9

Where should I write "Favorite Monsters"?

A

B	C
	###
	### ##
	###
	###

A

B

C





HOME

NEXT

9

Where should I write "Favorite Monsters"?

A









B	C
	###
	### ##
	###
	###

Oops! Try again

9

YES! I should write it in "A".

A

B	C
	
	
	
	

A

B





C

HOME

NEXT

## Where should I write "Number of Students"?

### Favorite Monsters

B	C
	
	
	
	









A

B

C

Where should I write "Number of Students"?





## Favorite Monsters

B	C
	
	
	
	

Oops! Try again

YES! I should write it in "C".

## Favorite Monsters

B	C
	
	
	
	

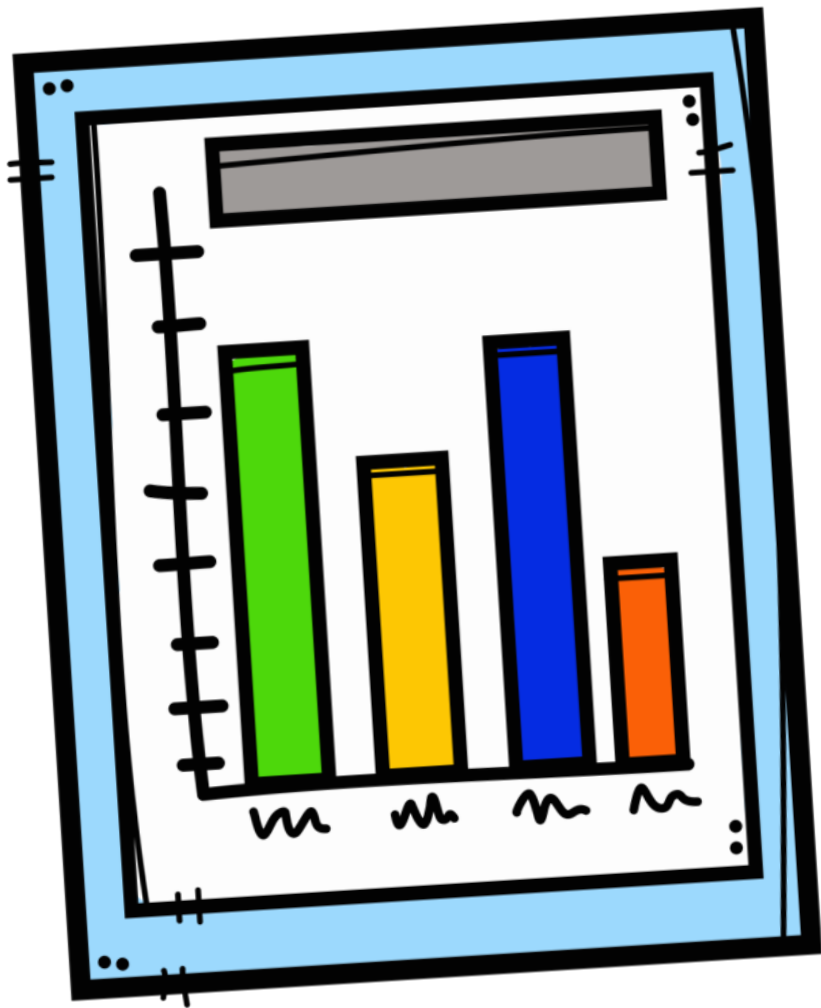
A

B

C



YOU DID IT!



want to play  
another game?

yes,  
Please!