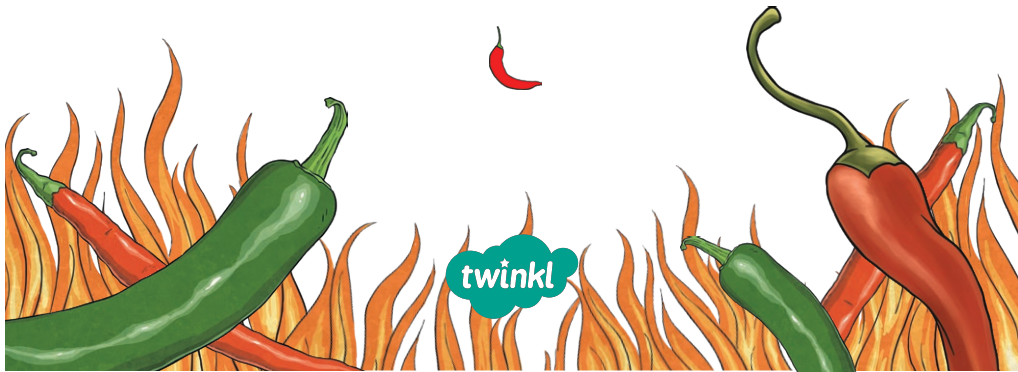


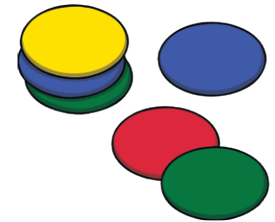
# Chilli Challenge

Y2 Maths Statistics



Take a large handful of mixed coloured counters.

- Can you create a tally chart to show how many of each colour you have collected?
- Can you ask a question about the tally chart?



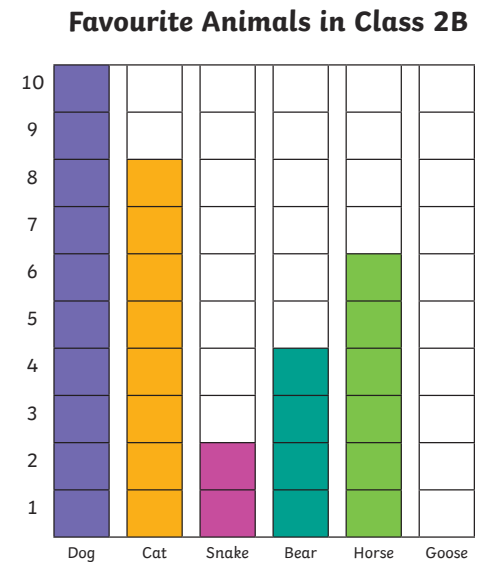
What type of chart is this?

How We Walk to School		
Bike		4
Walk		7
Bike		5
Bus		3

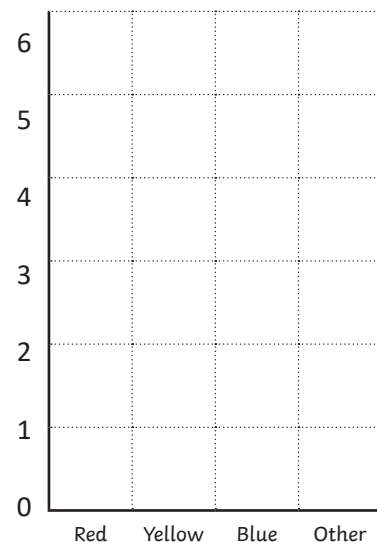
- How many children walk to school?
- What is the most popular way to travel to school?

What type of chart is this?

- How many children like horses?
- How many children like snakes?
- Which is the favourite animal in Class 2B?



Favourite Colour	Number of Children
Red	
Yellow	
Blue	
Other	

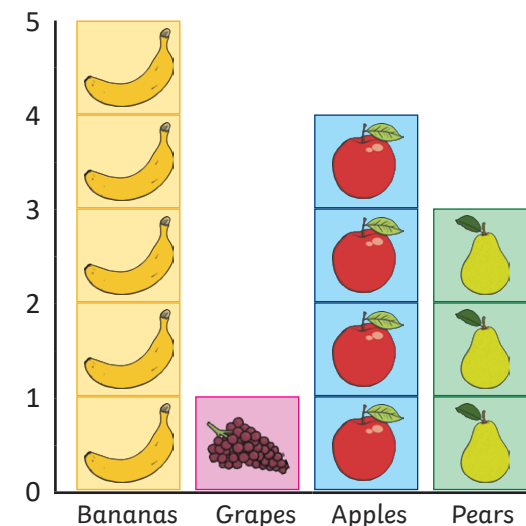


Look at the tally chart above.

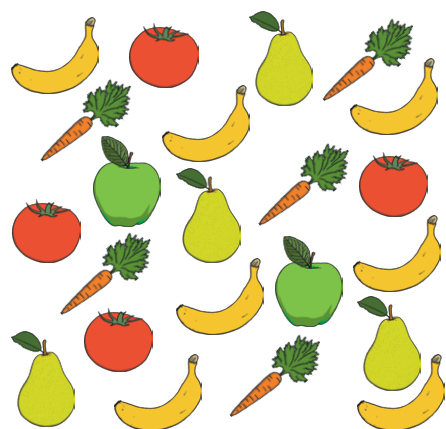
- Can you complete the block diagram, showing the children's favourite colours?






Favourite Fruit

- How many children chose apples as their favourite fruit?
- Which fruit was the least popular?



Can you count the leftover fruit and sort them into a tally chart?

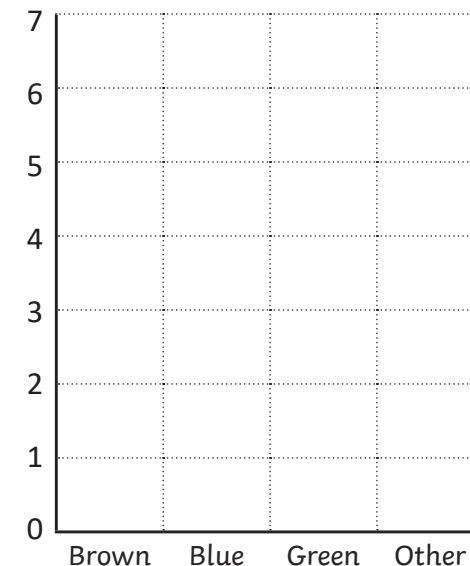


Tally Chart		
	Tally	Total
		
		
		
		
		

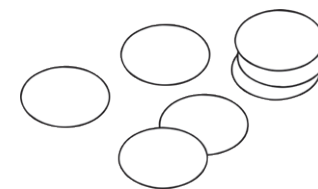
Eye Colour	Number of Children
Brown	
Blue	
Green	
Other	

Look at the tally chart above.

Can you complete the pictogram?



## Working Towards Year 2

Chilli Challenge Year 2  
Statistics Maths Cards**Answers**

Take a large handful of mixed coloured counters.

- Can you create a tally chart to show how many of each colour you have collected?
- Can you ask a question about the tally chart?

**Answers will vary.**

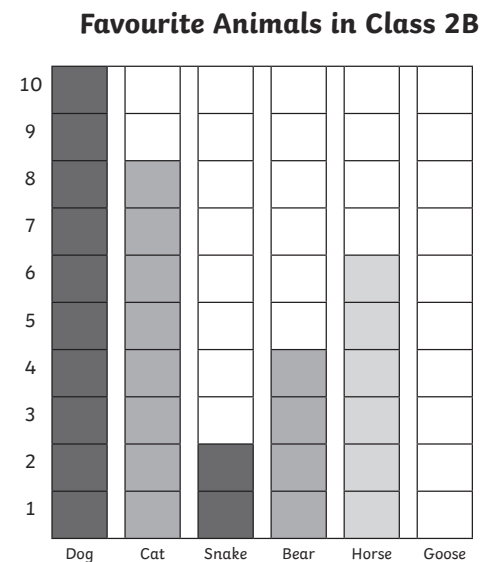
What type of chart is this?

How We Walk to School		
Bike		4
Walk		7
Bike		5
Bus		3

- How many children walk to school? **7**
- What is the most popular way to travel to school? **walking**

What type of chart is this?

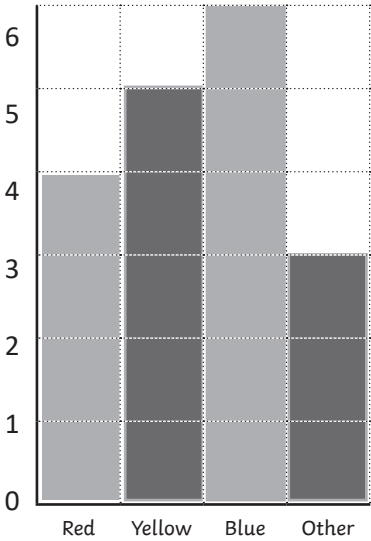
- How many children like horses? **6**
- How many children like snakes? **2**
- Which is the favourite animal in Class 2B? **dogs**



Favourite Colour	Number of Children
Red	
Yellow	
Blue	
Other	

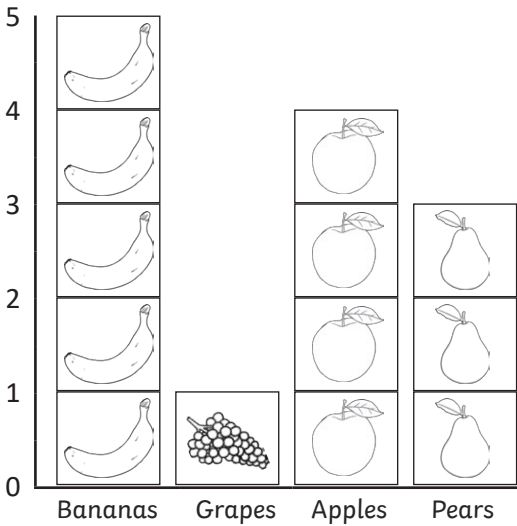
Look at the tally chart above.

- Can you complete the block diagram, showing the children's favourite colours?

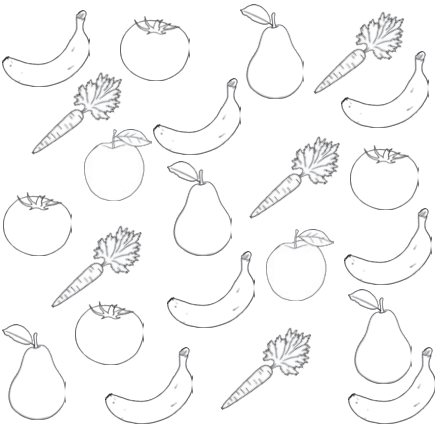


- How many children chose apples as their favourite fruit? **4**
- Which fruit was the least popular? **grapes**

Favourite Fruit



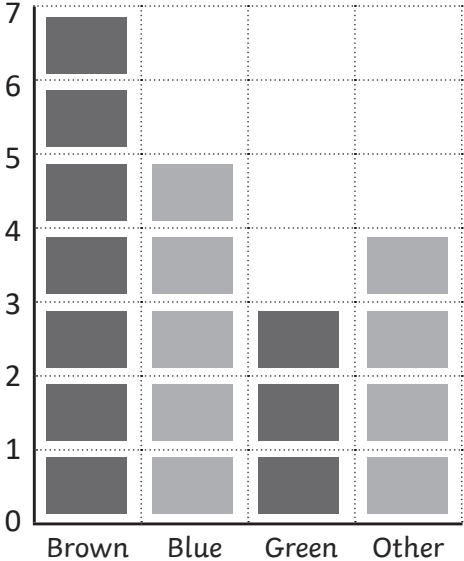
Can you count the leftover fruit and sort them into a tally chart?



Tally Chart		
	Tally	Total
		7
		5
		4
		2
		4

Eye Colour	Number of Children
Brown	
Blue	
Green	
Other	

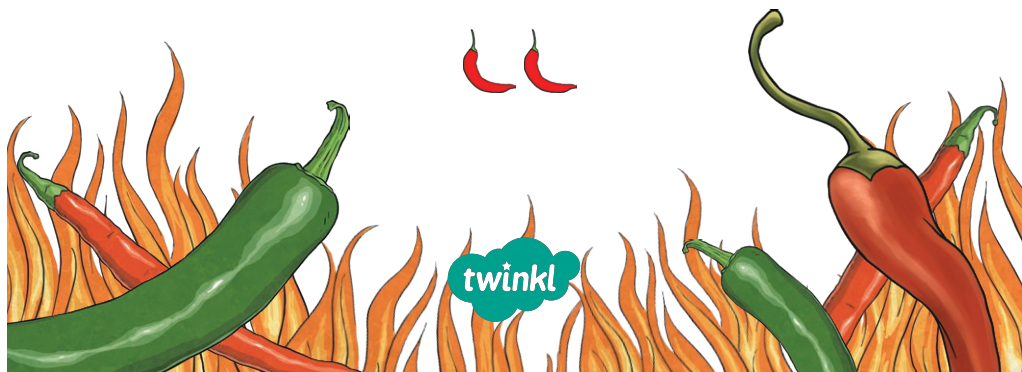
Look at the tally chart above.  
Can you complete the pictogram?




Expected Year 2

# Chilli Challenge

Y2 Maths Statistics



Y2 Maths Statistics


It's getting hot! 

Take a large handful of mixed coins.

- Can you record your results in a tally chart to show how many of each coin you have collected?
- Can you represent your data as a block diagram?
- Which was the most popular coin?
- Which was the least popular coin?
- How many 20ps were there?



Y2 Maths Statistics

It's getting hot! 


Favourite Fruit		
Bananas		6
Grapes		8
Apples		4
Oranges		5
Other		2

- Can you put this data into a pictogram?
- In your pictogram, one picture should represent 2 people.

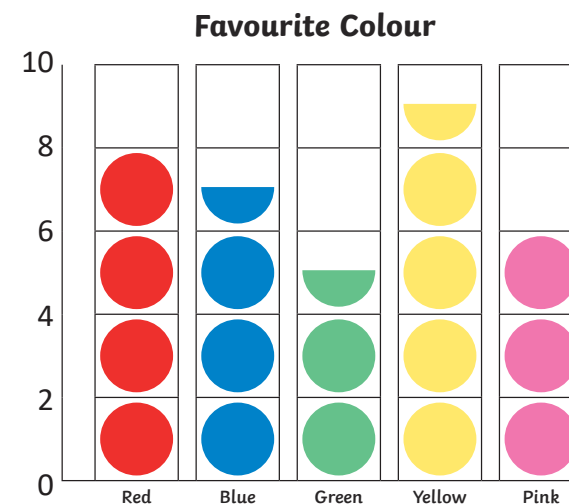


= 2 people

Y2 Maths Statistics

It's getting hot! 

- What is the least favourite colour?
- How many children chose green as their favourite colour?
- How many children chose pink or red as their favourite colour?

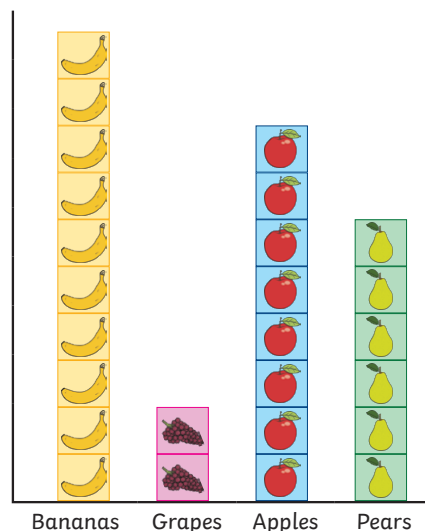


## Y2 Maths Statistics

It's getting hot!



- What could this pictogram be showing?
- How many people chose bananas and pears?
- What if each item of fruit represented 2 people? Does that change the results?



twinkl.com

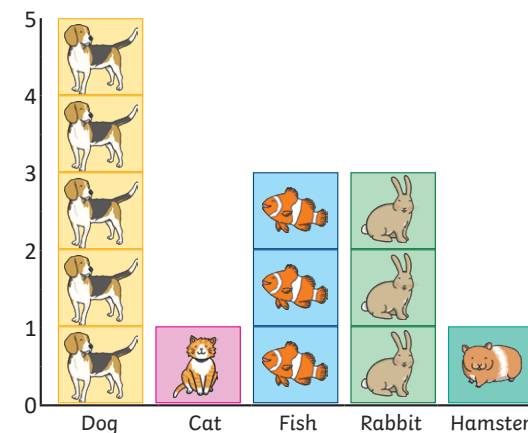
## Y2 Maths Statistics

It's getting hot!



This pictogram shows what pets children have in a class.

- How many more children own dogs than rabbits?
- What is the difference between the most popular and least popular pet?



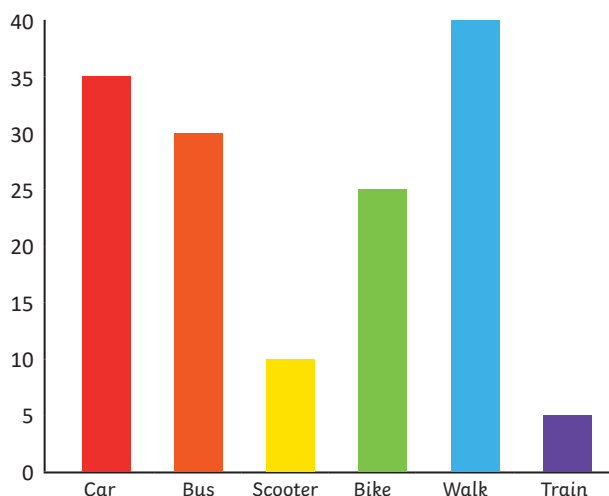
twinkl.com

## Y2 Maths Statistics

It's getting hot!



- Which way of travelling to school is most popular?
- Which way of travelling to school is least popular?
- What is the difference between the most popular and least popular?



twinkl.com

## Y2 Maths Statistics

It's getting hot!



Take a survey of eye colour in your class.

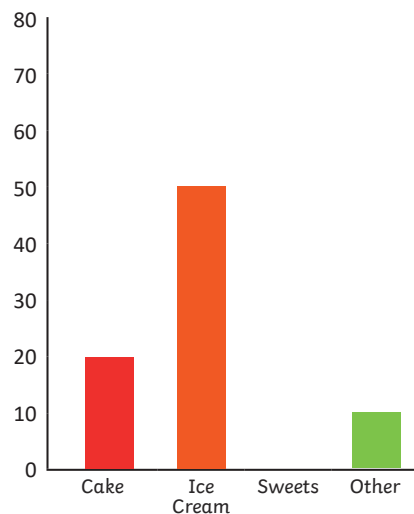
- Can you record your results in a tally chart to show how many children have each colour of eyes?
- Can you represent your data as a pictogram?
- Can you ask a question about the data?

twinkl.com



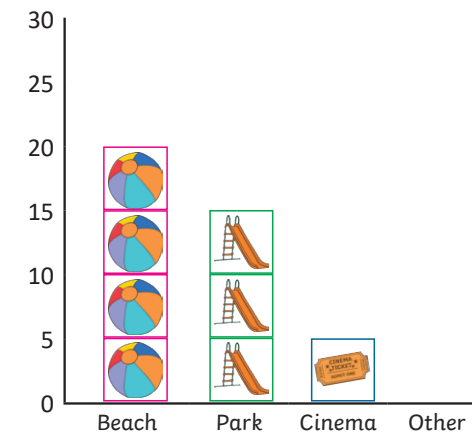
100 pupils were asked what their favourite treats were.

- Can you complete the chart?
- How many more people liked ice cream than cake?
- How many children liked sweets and 'other'?



50 pupils were asked where their favourite place to visit was.

- Can you complete the chart?
- What would happen if 10 more children voted? How could this affect the results?
- Can you think of your own questions about the data?





Expected Year 2






# Chilli Challenge Year 2 Statistics Maths Cards

## Answers

Take a large handful of mixed coins.


- Can you record your results in a tally chart to show how many of each coin you have collected?
- Can you represent your data as a block diagram?
- Which was the most popular coin?
- Which was the least popular coin?
- How many 20ps were there?



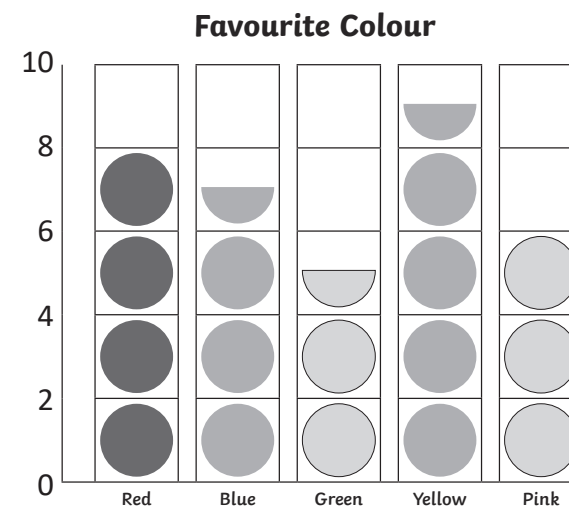
Favourite Fruit		
Bananas		6
Grapes		8
Apples		4
Oranges		5
Other		2

Can you put this data into a pictogram?

In your pictogram, one picture should represent 2 people.

 = 2 people

- What is the least favourite colour?  
**green**
- How many children chose green as their favourite colour?  
**5**
- How many children chose pink or red as their favourite colour?  
**14**





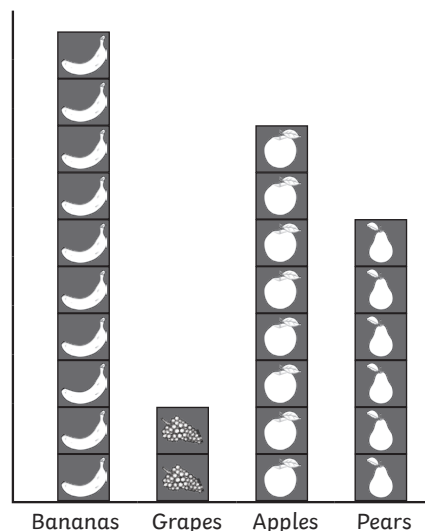
## Y2 Maths Statistics

It's getting hot!

What could this pictogram be showing? **favourite fruit**

How many people chose bananas and pears? **16**

What if each item of fruit represented 2 people? Does that change the results?  
**There would be double the amount for each fruit.**



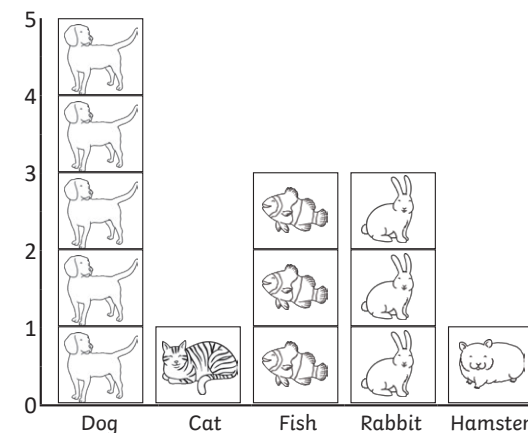
## Y2 Maths Statistics

It's getting hot!

This pictogram shows what pets children have in a class.

How many more children own dogs than rabbits? **2**

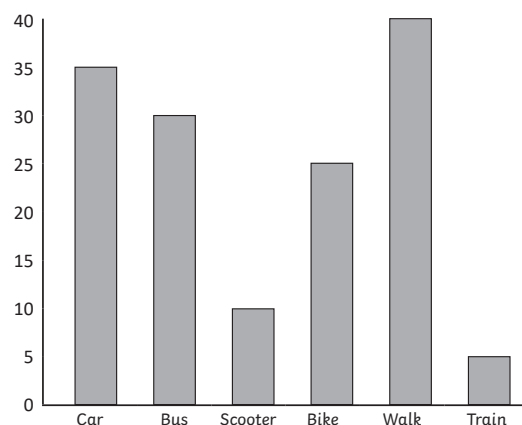
What is the difference between the most popular and least popular pet? **4**



## Y2 Maths Statistics

It's getting hot!

- Which way of travelling to school is most popular? **walking**
- Which way of travelling to school is least popular? **train**
- What is the difference between the most popular and least popular?  
**35 more people walk to school than get the train.**



## Y2 Maths Statistics

It's getting hot!

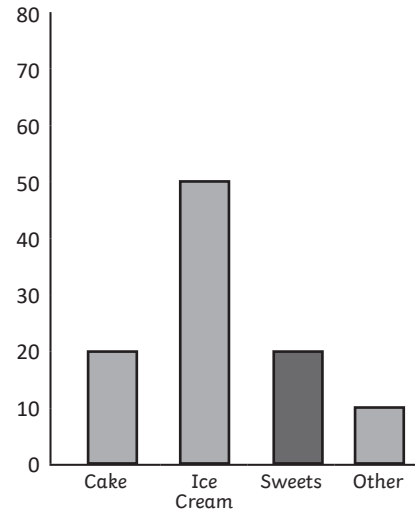
Take a survey of eye colour in your class.

- Can you record your results in a tally chart to show how many children have each colour of eyes?
- Can you represent your data as a pictogram?
- Can you ask a question about the data?

**Answers will vary.**

100 pupils were asked what their favourite treats were.

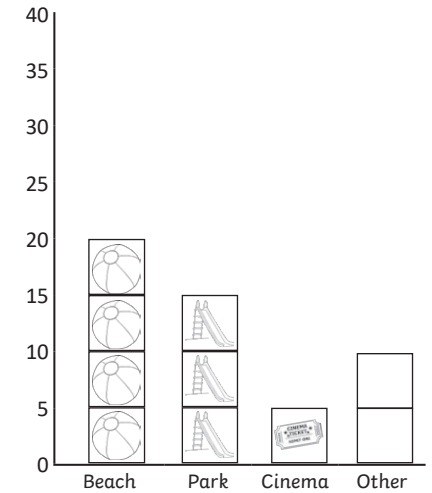
- Can you complete the chart?
- How many more people liked ice cream than cake? **30**
- How many children liked sweets and 'other'? **30**



50 pupils were asked where their favourite place to visit was.

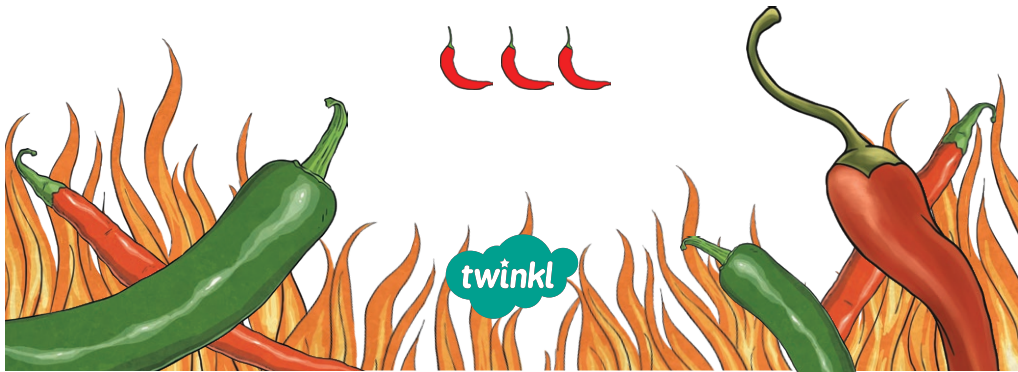
Can you complete the chart?

- What would happen if 10 more children voted? How could this affect the results? **various answers**
- Can you think of your own questions about the data?



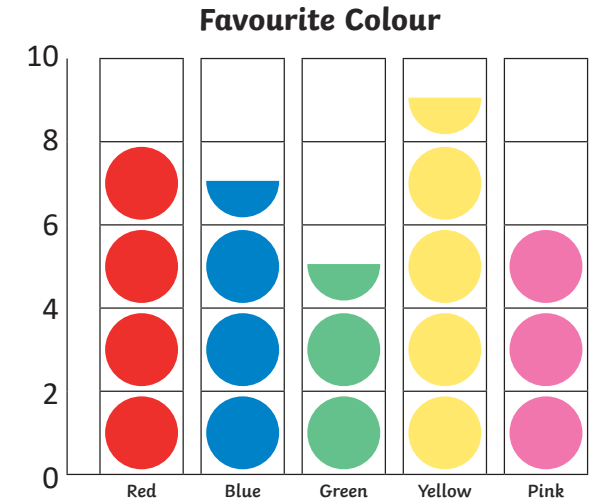
# Chilli Challenge

Y2 Maths Statistics



Sanjay thinks that yellow is the most popular colour by half a vote.

- Is he correct?
- Can you explain your answer?



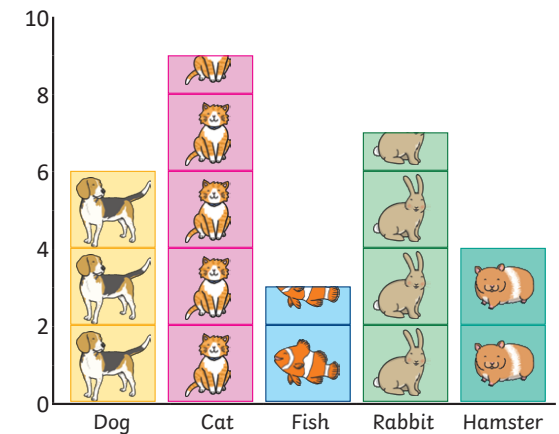
A class of 30 pupils were asked to choose their favourite fruit.

- Can you complete the tally chart to show the correct results?
- Can you ask a question about the data?

Favourite Fruit		
Bananas		
Grapes		8
Apples		
Oranges		5
Other		

This pictogram shows a class' pets.

- Which pet is most popular?
- Two more children claim to own a rabbit each.
- Does this change the results?
- What is the difference between the least popular pet and the most popular pet?





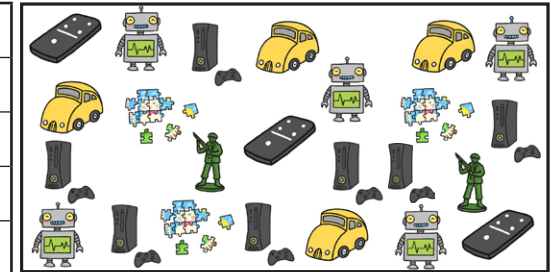
Children were asked about the month they were born.

- Can you think of the best way to show this information?
- How many children were born in winter?
- How many children were born in July or August?
- Can you ask your own questions about the data?



Olivia sorted some toys into a tally chart. Is she correct?

Toy soldier		2
Building block		0
Jigsaw		3
Game console		7
Toy car		4
Robot		5
Dominoes		3



Olivia thinks that the game console is more popular than the robot by 2. Is she correct?

## Greater Depth Year 2

Chilli Challenge Year 2  
Statistics Maths Cards

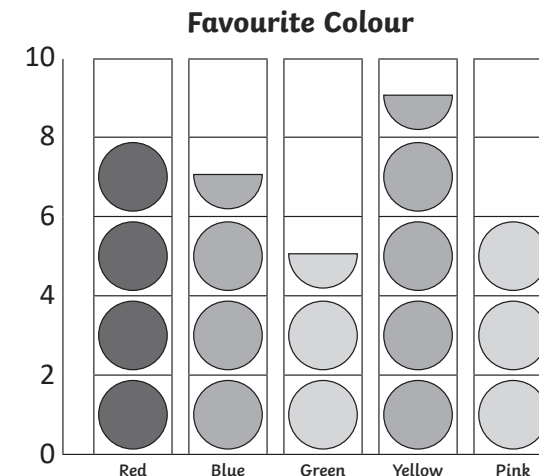
## Answers

Sanjay thinks that yellow is the most popular colour by half a vote.

• Is he correct? **no**

• Can you explain your answer?

**Each circle of colour represents 2 so half of a circle is 1. 1 more person likes yellow than red.**



A class of 30 pupils were asked to choose their favourite fruit.

• Can you complete the tally chart to show the correct results?

• Can you ask a question about the data?

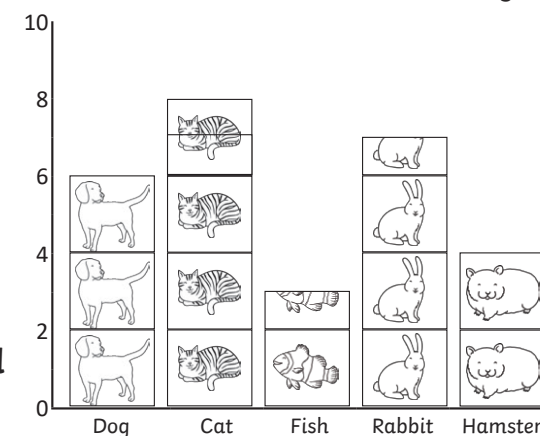
Favourite Fruit		
Bananas		7
Grapes		8
Apples		4
Oranges		5
Other		6

• Which pet is most popular? **cats**

• Two more children claim to own a rabbit each.

• Does this change the results? **Yes. There would be 9 rabbits altogether.**

• What is the difference between the least popular pet and the most popular pet? **6 more people have cats than fish.**





- Can you think of the best way to show this information? **various answers**
- How many children were born in winter? **3**
- How many children were born in July or August? **3**
- Can you ask your own questions about the data?

Olivia sorted some toys into a tally chart. Is she correct? **No. The tally for the toy soldiers and dominoes are incorrect.**

Olivia thinks that the game console is more popular than the robot by 2. Is she correct? **yes**

Toy soldier		2
Building block		0
Jigsaw		3
Game console		7
Toy car		4
Robot		5
Dominoes		3