



THIRD SPACE
LEARNING

Ready-to-go Lesson Slides

Year 2

Statistics
Lesson 2

Spr1

At Third Space Learning we provide personalised online lessons from specialist maths tutors to support the target groups in your school.

These ready-to-go slides are designed to work alongside our interventions to supplement quality first teaching and raise attainment in maths for all pupils.

To find out more about how you could use our 1-to-1 interventions year-round to boost maths progress in your school then get in touch:

020 3771 0095

hello@thirdspacelearning.com

Boosting maths progress through 1-to-1 conversations...



To draw pictograms

- ☐ I can create a pictogram using objects and pictures
- ☐ I can complete missing columns or rows in a pictogram
- ☐ I know that a pictogram can be laid out vertically

Starter:

Alice is using a tally chart to record the cars that drive past her school.

She has recorded the number of cars like this.

How might you help her to make the tally chart easier to count?



colour of car	tally	total
blue		
red		
green		
yellow		
other colours		






To draw pictograms

- ☐ I can create a pictogram using objects and pictures
- ☐ I can complete missing columns or rows in a pictogram
- ☐ I know that a pictogram can be laid out vertically

Starter:

Alice is using a tally chart to record the cars that drive past her school. She has recorded the number of cars like this. How might you help her to make the tally chart easier to count?

Alice should draw her tally marks like this. This means that she will be able to count in 5s more easily.

colour of car	tally	total
blue		10
red		13
green		5
yellow		4
other colours		14

To draw pictograms

Talking time:

month		total
January	●	1
February	● ●	2
March	● ●	2
April	● ● ● ●	
May	● ● ●	3
June	● ●	
July	●	1
August	● ● ●	
September	● ● ● ● ● ● ●	
October	● ●	2
November	●	1
December	● ●	2

Here is a pictogram to show the birthdays of the children in Year 2.

Can you complete the pictogram?

Key

● = 1 child

Why is the key important when we are completing a pictogram?

To draw pictograms

Talking time:

month		total
January	●	1
February	● ●	2
March	● ●	2
April	● ● ● ●	4
May	● ● ●	3
June	● ●	2
July	●	1
August	● ● ●	3
September	● ● ● ● ● ● ●	7
October	● ●	2
November	●	1
December	● ●	2

Here is a pictogram to show the birthdays of the children in Year 2.

Can you complete the pictogram?

Key

● = 1 child




Why is the key important when we are completing a pictogram?

To draw pictograms


Talking time:

Here is a pictogram to show the favourite fruit of the children in Year 2.

Can you complete this pictogram?

fruit		total
apple		7
banana		8
strawberry		5
grape		5
cherry		3
pineapple		2

Key







 = 1 child

To draw pictograms


Talking time:

Here is a pictogram to show the favourite fruit of the children in Year 2.

Can you complete this pictogram?

fruit		total
apple		7
banana		8
strawberry		5
grape		5
cherry		3
pineapple		2

Key

 = 1 child

To draw pictograms


Talking time:

This pictogram shows Year 2 children's choice of what they would prefer as a topping on a pancake.

If there are 29 children in the class, can you complete this pictogram? Can you explain your thinking?

topping		total
sugar and lemon	   	4
syrup	     	6
banana		
ice cream		8
chocolate spread	       	8

Key


























 = 1 child

To draw pictograms


Talking time:

This pictogram shows Year 2 children's choice of what they would prefer as a topping on a pancake.

If there are 29 children in the class, can you complete this pictogram? Can you explain your thinking?

topping		total
sugar and lemon	   	4
syrup	     	6
banana	  	3
ice cream	       	8
chocolate spread	       	8

Key





 = 1 child

There are eight smiley faces to match the total of 8 for ice cream.

It must be 3 votes for banana because $4 + 6 + 8 + 8 = 26$, and there are 29 children in the class. $29 - 26 = 3$.

To draw pictograms








Activity 1: Here is a pictogram to show the number of ice creams sold in a day. Use the clues to complete the pictogram.

flavour	 = 1 ice cream	total
mint choc chip		
vanilla		
chocolate		
strawberry		
toffee		
cookie dough		

- More toffee was sold than vanilla
- Less toffee was sold than mint choc chip
- Chocolate was the most popular choice
- Vanilla was the least popular choice

To draw pictograms

Activity 1: Here is a pictogram to show the number of ice creams sold in a day. Use the clues to complete the pictogram.

<u>flavour</u>	 = 1 ice cream	total
mint choc chip		10
vanilla		6
chocolate		11
strawberry		7
toffee		7
cookie dough		8

- More toffee was sold than vanilla
- Less toffee was sold than mint choc chip
- Chocolate was the most popular choice
- Vanilla was the least popular choice




Extension:

This is one way to solve the clues.
Can you find any others?
Can you explain your thinking?

To draw pictograms

Talking time:

Can you use the tally chart to complete the pictogram?



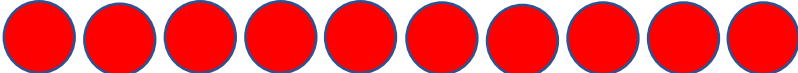
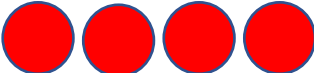


Favourite drink	 = 1 vote
water	
orange squash	
milk	
apple juice	
tomato juice	 

<u>Favourite drink</u>	Tally
water	   
orange squash	  
milk	   
apple juice	 
tomato juice	 

To draw pictograms

Talking time:

Can you use the tally chart to complete the pictogram?









Favourite drink	 = 1 vote
water	
orange squash	
milk	
apple juice	
tomato juice	




<u>Favourite drink</u>	Tally
water	
orange squash	
milk	
apple juice	
tomato juice	

To draw pictograms

Talking time:

Can you use the tally chart to complete the pictogram?






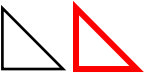
filling	 = 1 vote
cheese	
	  
chocolate spread	
peanut butter	
vegan patty	

filling	Tally
cheese	
jam	
chocolate spread	 
peanut butter	
vegan patty	

To draw pictograms

Talking time:

Can you use the tally chart to complete the pictogram?

filling	 = 1 vote
cheese	
<u>jam</u>	
chocolate spread	
peanut butter	
vegan patty	







filling	Tally
cheese	
jam	
chocolate spread	
peanut butter	
vegan patty	

To draw pictograms

Activity 2:

Here is the tally chart for Year 2's favourite animated film. Freddie has turned it into a pictogram, but has made some mistakes. Can you be a teacher and help to put him right?



Favourite film	 = 1 vote
The Secrets of Pets 2	
The Lion Prince	
Toy Tale 4	
Annoyed Birds 2	
The Plastic Bricks Movie 2	


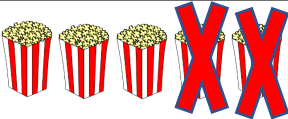




<u>Favourite film</u>	Tally
The Secrets of Pets 2	
The Lion Prince	
Toy Tale 4	
Annoyed Birds 2	
The Plastic Bricks Movie 2	

To draw pictograms

Activity 2:

Here is the tally chart for Year 2's favourite animated film. Freddie has turned it into a pictogram, but has made some mistakes. Can you be a teacher and help to put him right?



Favourite film	 = 1 vote
The Secrets of Pets 2	 This should have been 2.
The Lion Prince	 This needed to be 15.
Toy Tale 4	 This needed to be 5.
Annoyed Birds 2	
The Plastic Bricks Movie 2	 This should have been 3.

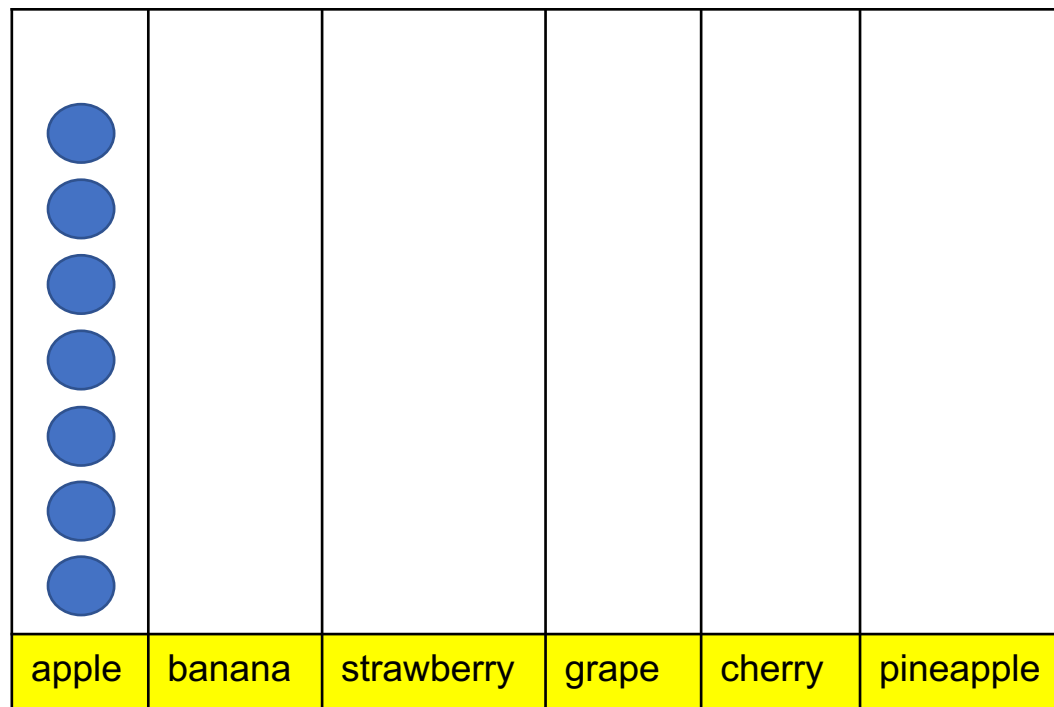
This needed to be 15.







<u>Favourite film</u>	Tally
The Secrets of Pets 2	
The Lion Prince	
Toy Tale 4	
Annoyed Birds 2	
The Plastic Bricks Movie 2	

To draw pictograms


Talking time:

We have used a pictogram for Year 2's favourite fruit. It was a horizontal pictogram. Can you change it into a vertical pictogram?



fruit		total
apple		7
banana		8
strawberry		5
grape		5
cherry		3
pineapple		2

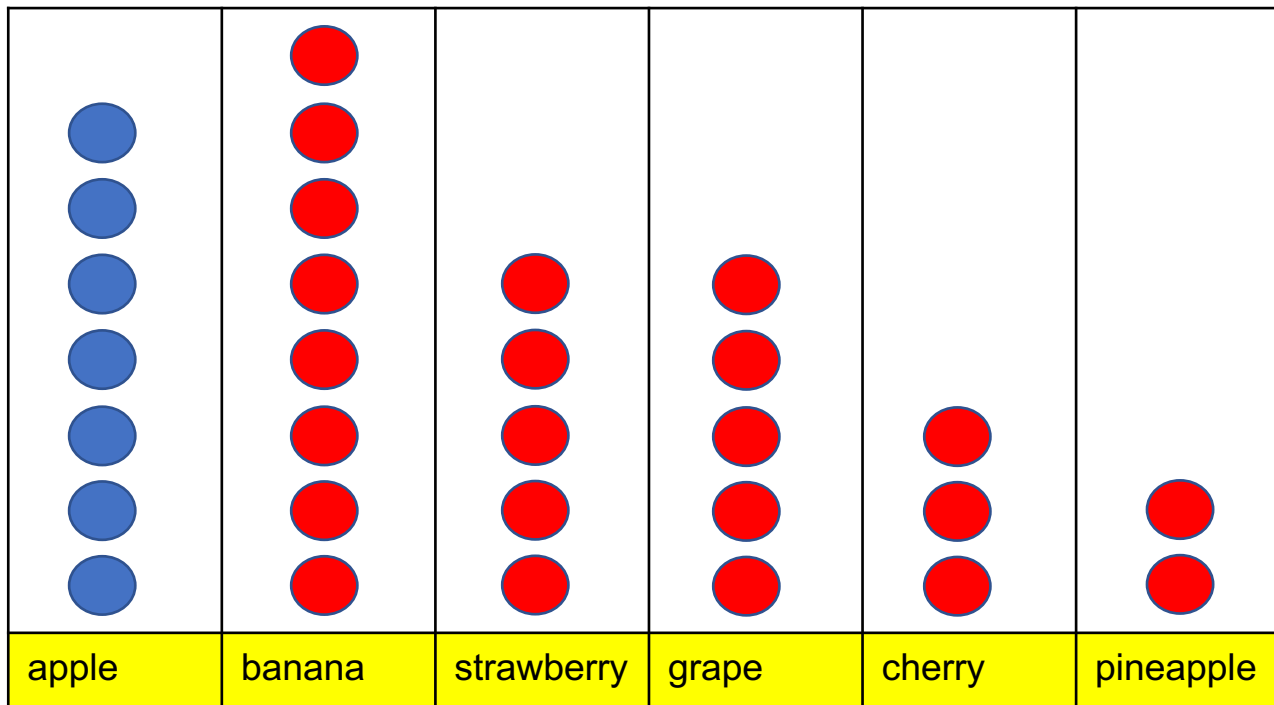
Key







 = 1 child

To draw pictograms


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We have used a pictogram for Year 2's favourite fruit. It was a horizontal pictogram. Can you change it into a vertical pictogram?



fruit		total
apple		7
banana		8
strawberry		5
grape		5
cherry		3
pineapple		2

Key

 = 1 child

To draw pictograms

Talking time:

We have used a pictogram for Year 2's favourite toppings for a pancake. It was a horizontal pictogram.

Can you change it into a vertical pictogram?

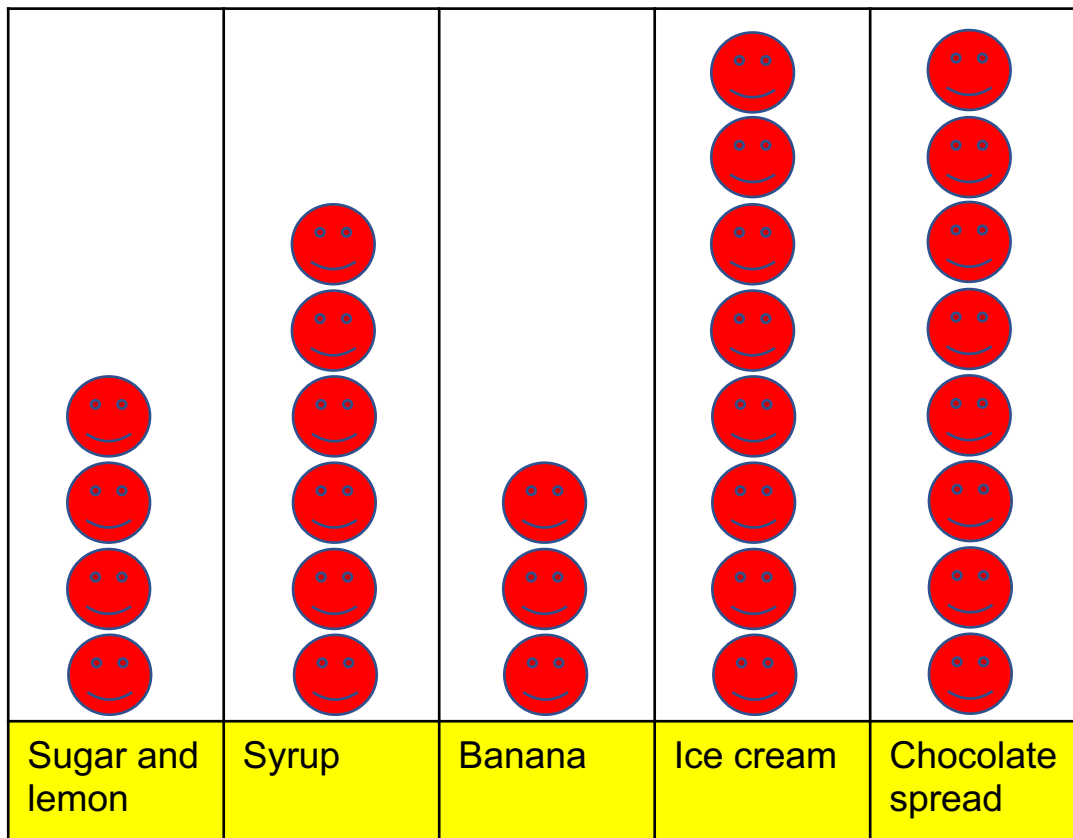
sugar and lemon				

topping		total
sugar and lemon	   	4
syrup	     	6
banana	  	3
ice cream	       	8
chocolate spread	       	8

To draw pictograms

Talking time:

We have used a pictogram for Year 2's favourite toppings for a pancake. It was a horizontal pictogram. Can you change it into a vertical pictogram?



topping		total
sugar and lemon		4
syrup		6
banana		3
ice cream		8
chocolate spread		8

To draw pictograms

Talking time:

Here is Alice's tally chart from the starter task.
Can you use the information to make a vertical pictogram?

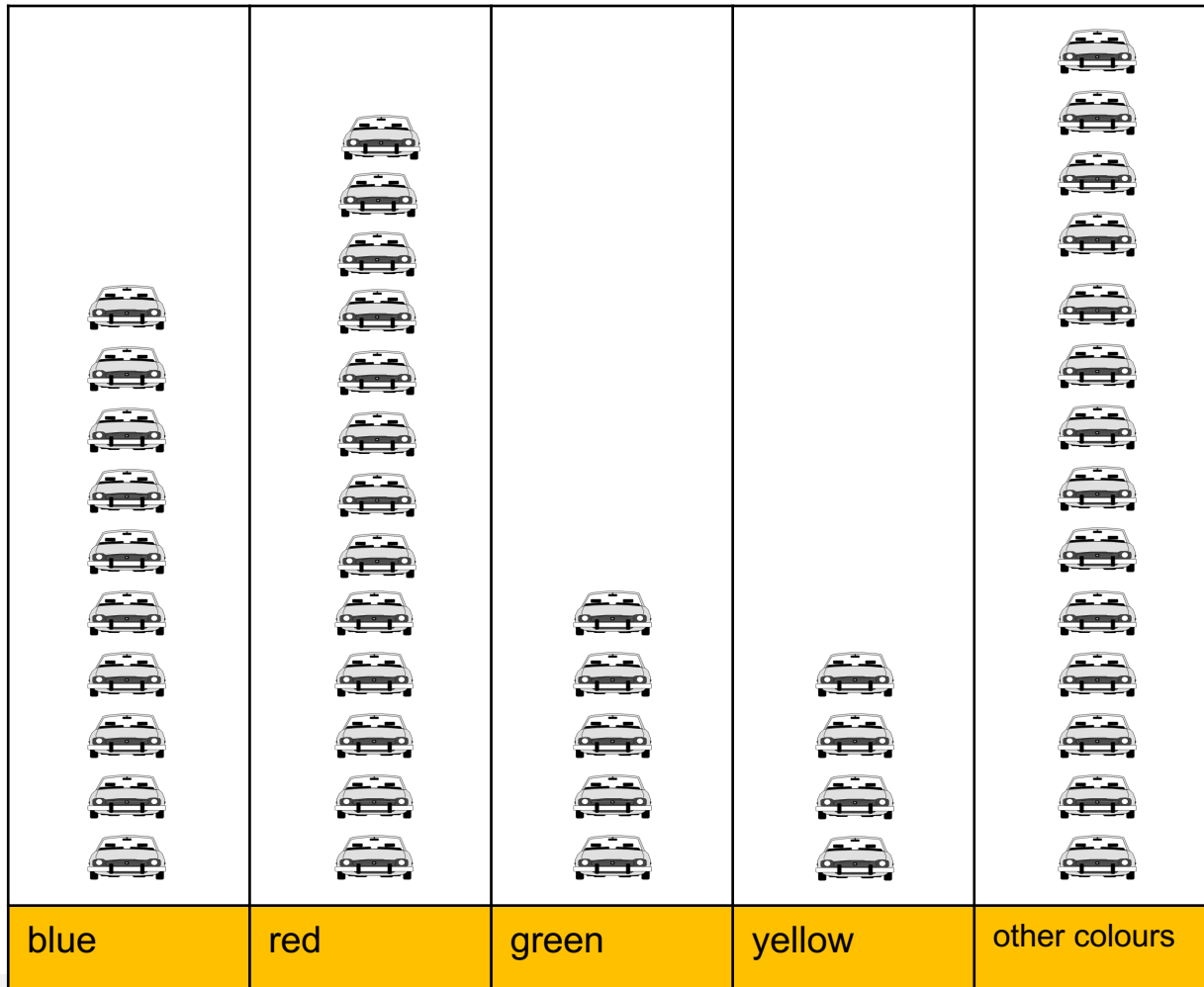


colour of car	tally
blue	
red	
green	
yellow	
other colours	

To draw pictograms

Talking time:

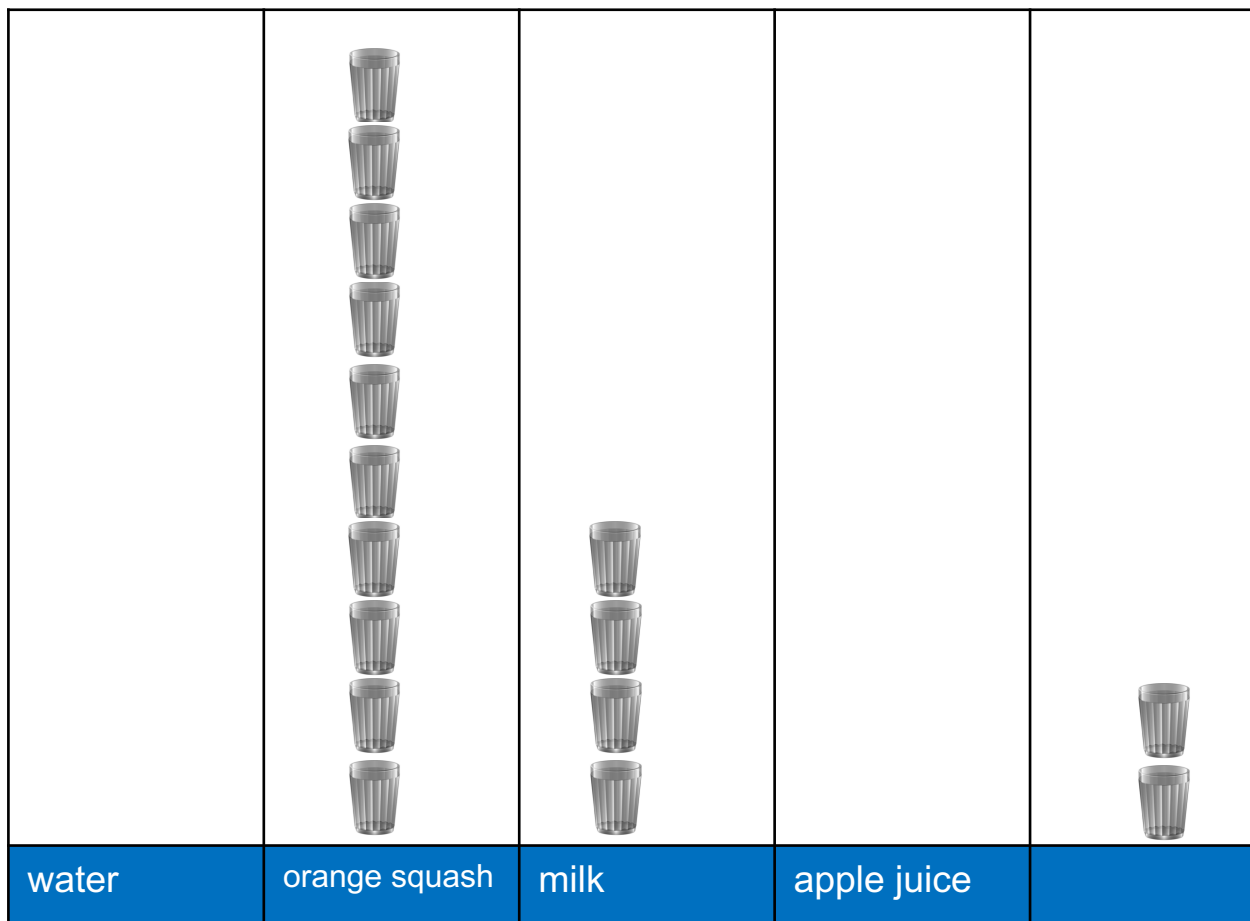
Here is Alice's tally chart from the starter task.
Can you use the information to make a vertical pictogram?



colour of car	tally
blue	
red	
green	
yellow	
other colours	

To draw pictograms

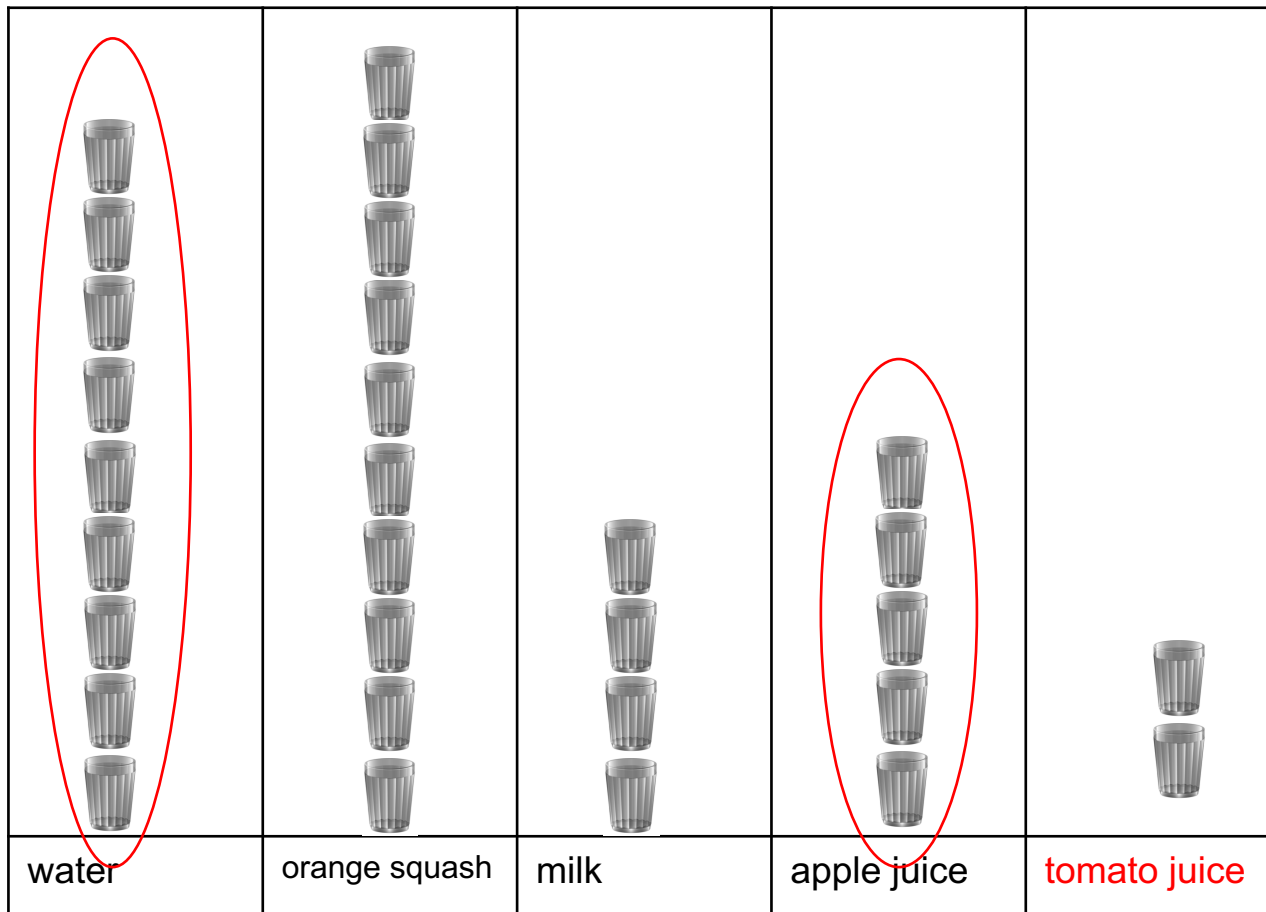
Activity 3: Here is a tally chart and a pictogram of the same information. However, there are gaps. Can you fill in the gaps? How do you know that you are right?



<u>favourite drink</u>	Tally
water	
orange squash	
apple juice	
tomato juice	

To draw pictograms

Activity 3: Here is a tally chart and a pictogram of the same information. However, there are gaps. Can you fill in the gaps? How do you know that you are right?



<u>favourite drink</u>	Tally
water	
orange squash	
milk	
apple juice	
tomato juice	

To draw pictograms

Evaluation:

Here is a pictogram of how children in Class 2 like their eggs prepared.

How would you make this pictogram easier to read?






boiled	
fried	
scrambled	
poached	
do not eat eggs	

To draw pictograms

Evaluation:

Here is a pictogram of how children in Class 2 like their eggs prepared.

How would you make this pictogram easier to read?

boiled	
fried	
scrambled	
poached	
do not eat eggs	

It is hard to read because the symbols overlap each other. They need lining up and the spaces between should be even.

The symbols should all be the same size and shape. There is no key, so we do not know how much each symbol is worth.




We need a key and a title.

Do you have a group of pupils who need a boost in maths this term?

Each pupil could receive a personalised lesson every week from our specialist 1-to-1 maths tutors.

- Raise attainment
- Plug any gaps or misconceptions
- Boost confidence

Speak to us:

-  thirdspacelearning.com
-  0203 771 0095
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