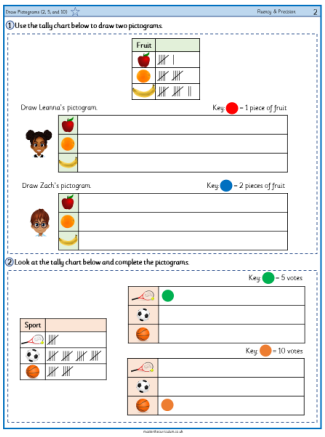
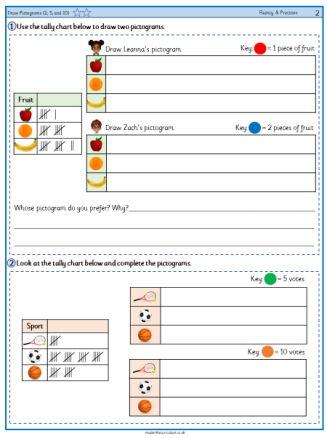
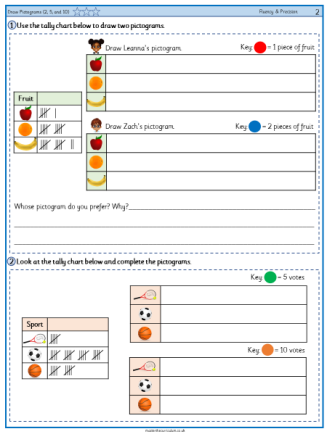
Draw Pictograms (2, 5, and 10)

NC Objective:	Resources needed:	Vocabulary:
Interpret and construct simple pictograms, tally charts, block diagrams and simple tables Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity Ask and answer questions about totalling and comparing categorical data	Differentiated Sheets Teaching Slides	Vote, tally, tally chart, count, number, picture, image, symbol, represent, data, information, compare, total, most, common, fewest, altogether, difference, key, 2, 5, 10

This small step is focused on producing pictograms. The children will draw pictograms where the symbols represent 2, 5 or 10 items. They will interpret half of a symbol, for example, half of a symbol representing 2 will represent 1 and half of a symbol representing 10 will represent 5. Children will count in 2s, 5s and 10s to complete their own pictograms and use these to answer questions about the data/information they show.

Key Questions:
If a symbol represents 2, how can you show 1 on a pictogram? How can you show 5? How can you show any o dd number? When would you use a picture to represent 10 objects? When is using symbols representing 2, 5 or 10 best? Which is the most and by how many?

★ Working Towards	★★ Working Within	★★★ Greater Depth
		
The children draw pictograms with keys representing 1 and 2, and complete pictograms with keys representing 5 and 10. They choose their own key using the given symbol when drawing the final pictogram.	The children draw pictograms with keys representing 2, 5 and 10. They choose their own key on the final pictogram and compare this to a friends identifying similarities and differences.	The children draw pictograms with keys representing 2, 5 and 10. They choose their own key on the final pictogram and identify which is the most and by how many before comparing the pictogram to a friends, identifying similarities and differences.

1 Use the tally chart below to draw two pictograms.

Fruit	
	𝍸 |
	𝍸 𝍸
	𝍸 𝍸 ||

Draw Leanna's pictogram.

Key:  = 1 piece of fruit

Draw Zach's pictogram.

Key:  = 2 pieces of fruit

2 Look at the tally chart below and complete the pictograms.

Sport	
	𝍸
	𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸

Key:  = 5 votes

Key:  = 10 votes

3 Look at the tally chart below. Draw a pictogram to show the information.

Weather	Number of days
	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸
	𝍸 𝍸 𝍸

Will your key be 5 days or 10 days?

Key: ● = _____ days

Now compare pictograms with a friend.

Think about what is the same and what is different by using these question prompts.

Are your symbols the same?

Have you got the same amount of symbols?

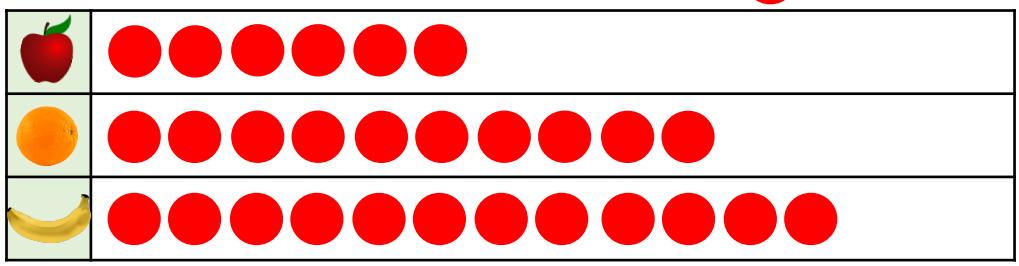
Are the symbols the same value?

1 Use the tally chart below to draw two pictograms.

Fruit	
	𝍸 I
	𝍸 𝍸
	𝍸 𝍸 II

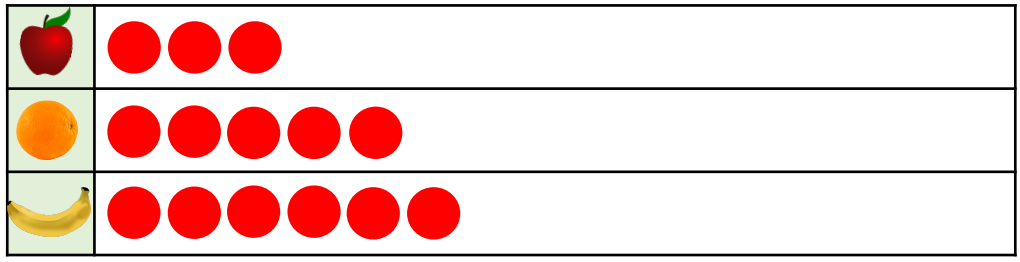
Draw Leanna's pictogram.

Key: ● = 1 piece of fruit



Draw Zach's pictogram.

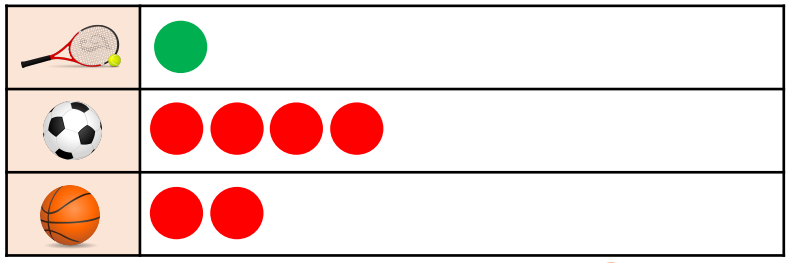
Key: ● = 2 pieces of fruit



2 Look at the tally chart below and complete the pictograms.

Sport	
	𝍸
	𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸

Key: ● = 5 votes



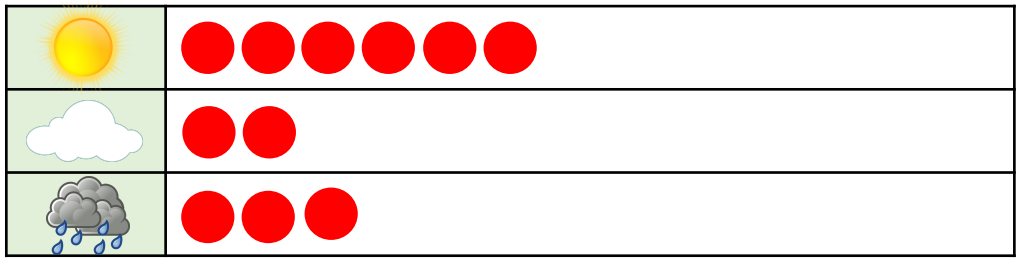
Key: ● = 10 votes

3 Look at the tally chart below. Draw a pictogram to show the information.

Weather	Number of days
	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸
	𝍸 𝍸 𝍸

Will your key be 5 days or 10 days?

Key: ● = 5 days



Key: ● = 10 days

1 Use the tally chart below to draw two pictograms.

Fruit	
	𝍸 |
	𝍸 𝍸
	𝍸 𝍸 ||

Draw Leanna's pictogram.

Key: ● = 1 piece of fruit

Draw Zach's pictogram.

Key: ● = 2 pieces of fruit

Whose pictogram do you prefer? Why?_____

_____

_____

2 Look at the tally chart below and complete the pictograms.

Sport	
	𝍸
	𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸

Key: ● = 5 votes

Key: ● = 10 votes

3 Look at the tally chart below. Draw a pictogram to show the information.

Weather	Number of days
	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸
	𝍸 𝍸 𝍸

What key will you choose?

Key: _____ = _____

Now compare pictograms with a friend.

What is the same?

_____

_____

_____

What is different?

_____

_____

_____

1 Use the tally chart below to draw two pictograms.

Fruit	
	𝍸 |
	𝍸 𝍸
	𝍸 𝍸 ||

Draw Leanna's pictogram.

Key: ● = 1 piece of fruit

	●●●●●●
	●●●●●●●●●●
	●●●●●●●●●●●●

Draw Zach's pictogram.

Key: ● = 2 pieces of fruit

	●●●
	●●●●●
	●●●●●●

Whose pictogram do you prefer? Why? Zach's pictogram because there is less to draw and it is easier to count and compare.

2 Look at the tally chart below and complete the pictograms.

Sport	
	𝍸
	𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸

Key: ● = 5 votes

	●
	●●●●
	●●

Key: ● = 10 votes

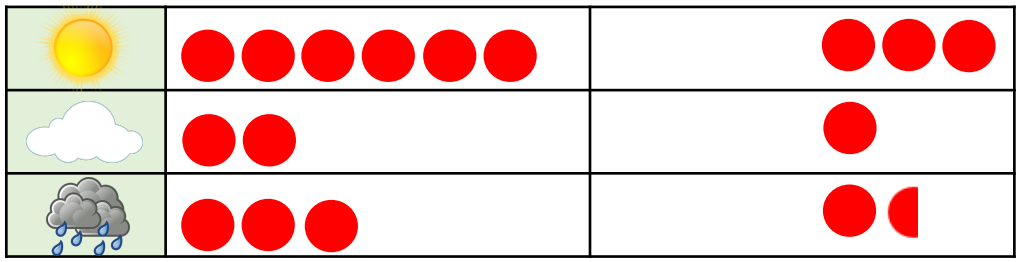
	◗
	●●
	●

3 Look at the tally chart below. Draw a pictogram to show the information.

Weather	Number of days
	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸
	𝍸 𝍸 𝍸

What key will you choose?

Key: _____ = 5 days _____ _____ = 10 days



Now compare pictograms with a friend.

What is the same?

Nothing or…

Pictogram symbol and pictogram symbol value.

Number of symbols drawn for each weather type and in total.

What is different?

Nothing or…

Pictogram symbol and pictogram symbol value.

Number of symbols drawn for each weather type and in total.

1 Use the tally chart below to draw two pictograms.

Fruit	
	𝍸 |
	𝍸 𝍸
	𝍸 𝍸 ||

 Draw Leanna's pictogram.

Key: ● = 1 piece of fruit

 Draw Zach's pictogram.

Key: ● = 2 pieces of fruit

Whose pictogram do you prefer? Why?_____

_____

_____

2 Look at the tally chart below and complete the pictograms.

Sport	
	𝍸
	𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸

Key: ● = 5 votes

Key: ● = 10 votes

3 Look at the tally chart below. Draw a pictogram to show the information.

Weather	Number of days
	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸
	𝍸 𝍸 𝍸

What key will you choose?

Key: _____ = _____

What weather was recorded the most and by how many days? _____

_____

Now compare pictograms with a friend. What is the same?

_____

_____

_____

What is different?

_____

_____

_____

1 Use the tally chart below to draw two pictograms.

Fruit	
	𝍸 |
	𝍸 𝍸
	𝍸 𝍸 ||

Draw Leanna's pictogram.

Key: ● = 1 piece of fruit

	●●●●●●
	●●●●●●●●●●
	●●●●●●●●●●●●

Draw Zach's pictogram.

Key: ● = 2 pieces of fruit

	●●●
	●●●●●
	●●●●●●

Whose pictogram do you prefer? Why? Zach's pictogram because there is less to draw and it is easier to count and compare.

2 Look at the tally chart below and complete the pictograms.

Sport	
	𝍸
	𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸

Key: ● = 5 votes

	●
	●●●●
	●●

Key: ● = 10 votes

	◗
	●●
	●

3 Look at the tally chart below. Draw a pictogram to show the information.

Weather	Number of days
	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸
	𝍸 𝍸
	𝍸 𝍸 𝍸

What key will you choose?

Key: _____ = 5 days _____ _____ = 10 days

	●●●●●●	●●●
	●●	●
	●●●	●◗

What weather was recorded the most and by how many days? _____

Sunshine by 20 days compared to cloud, and by 15 days compared to rain.

Now compare pictograms with a friend. What is the same?

Nothing or…

Pictogram symbol and pictogram symbol value.

Number of symbols drawn for each weather type and in total.

What is different?

Nothing or…

Pictogram symbol and pictogram symbol value.

Number of symbols drawn for each weather type and in total.