

Lesson 4 – Statistics – Draw Pictograms

、		
NC Objective:	Resources needed:	Vocabulary:
Interpret and construct simple pictograms,	Differentiated Sheets	Pictogram, data, represent, horizontally,
tally charts, block diagrams and simple tables	Teaching Slides	vertically, symbol

Children use tally charts to produce pictograms. They build pictograms using concrete apparatus such as counters or cubes then move to drawing their own pictures. They need to be able to complete missing column or rows. They should use the same picture to represent all the data in the pictogram and line this up carefully. It is important that children see pictograms both horizontally and vertically.

Key Questions:

How do you know how many images to draw?

What is the same and what is different about these two pictograms? (same data but shown horizontally and vertically) Which pictogram is easier to read? Why?

What simple symbol could we draw to represent the data?

Why did you choose this?



Fluency & Precision

2

Dr	aw Pictograms 📩						Fluency & Precision	2
Tue 26th Maths Comp					lete the pictog	rams using the data given.		
	<u>Key</u> = 1							
	Fruit	Tally	J		Fruit			
	Strawberry	JHT 11			Strawberry			
	Pear	IHT			Pear			
	Apple				Apple			
	Peach	IHT IHT			Peach			
					^			

	$\underline{Key} \triangleq 1$								
Flavour	Tally	Flavour							
Chocolate	₩	Chocolate							
Strawberry	Ш	Strawberry							
Vanilla		Vanilla							
Mint		Mint							

Name	Tally	<u>Key</u> = 1 goal				
Tia	Ш					
Zach						
Rosie						
Leanna			Tia	Zach	Rosie	Leanna

	<u>Key</u> = 1							
Vehicle	Tally		Vehicle					
Car	IHT IHT		Car					
Bus	Ш		Bus					
Lorry			Lorry					
Van			Van					

Answers

2

Complete the pictograms using the data given.

	ı
Fruit	Tally
Strawberry	₩ II
Pear	JHT III
Apple	
Peach	III III

Key 🔵	= 1
Fruit	
Strawberry	
Pear	
Apple	
Peach	00000000

	<u>Key</u> = 1							
Flavour	Tally		Flavour					
Chocolate	JHT		Chocolate					
Strawberry	Щ		Strawberry	$\triangle \triangle \triangle \triangle \triangle$				
Vanilla			Vanilla	$\Delta \Delta$				
Mint			Mint	\triangle				

Name	Tally	<u>Key</u> = 1 goal				
Tia	Ш		6			
Zach			Ř		8	
Rosie			l S	8		8
Leanna			Tia	Zach	Rosie	Leanna

<u>Key</u> = 1							
Vehicle	Tally		Vehicle				
Car	IHT IHT		Car				
Bus	Ш		Bus				
Lorry			Lorry				
Van			Van				

Dr	Draw Pictograms Fluency & Precision 2							
	Tue 26th Maths Complete the pictograms using the data given.							
	<u>Key</u> = 1							
	Fruit	Tally	1	Fruit				
	Strawberry	JHT	1	Strawberry	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$			
	Pear	JHT III	1	Pear				
	Apple			Apple]	
	Peach	JHT JHT		Peach				
				Key 🔼	=		_	
	Flavour	Tally		Flavour				
	Chocolate			Chocolate	$ \Delta $			

Chocolate	JHT	Chocolate	
Strawberry	Щ	Strawberry	\triangle
Vanilla		Vanilla	\triangle
Mint		Mint	\triangle

Name	Tally	<u>Key</u> = goal				
Tia	Ш					
Zach						
Rosie						
Leanna			Tia	Zach	Rosie	Leanna

<u>Key</u> = 1										
Vehicle	Tally		Vehicle							
Car	HT HT		Car							
Bus	Ш		Bus							
Lorry			Lorry							
Van			Van							



Answers

2

Complete the pictograms using the data given.

	<u>Key</u> = 1									
Fruit	Tally	Fruit								
Strawberry	JHT	Strawberry								
Pear	JHT	Pear	$\bigcirc \bigcirc $							
Apple		Apple								
Peach	HT HT	Peach								

<u>Key</u> = <u>1</u>									
Flavour	Tally		Flavour						
Chocolate	JHT		Chocolate						
Strawberry	Щ		Strawberry	$\triangle \triangle \triangle \triangle \triangle$					
Vanilla			Vanilla	$\triangle \Delta$					
Mint			Mint	\triangle					

Name	Tally	<u>Key</u> = <u>1</u> goal	\bigcirc			
Tia	Ш		\mathbf{O}			
Zach						
Rosie						
Leanna			Tia	Zach	Rosie	Leanna

<u>Key</u> = 1									
Vehicle	Tally		Vehicle						
Car	IHT IHT		Car						
Bus	Ш		Bus						
Lorry			Lorry						
Van			Van						

 $\overset{}{\swarrow}$ Draw Pictograms 2 Fluency & Precision Tue 26th Maths Complete the pictograms using the data given. Key = 1 Fruit Tally Fruit Total fifty-two subtract Strawberry Strawberry ()(48 ones Twenty subtract one Pear Pear and a half tens one hundred ones Apple Apple subtract 99 ones Peach Peach Half sixteen ones

<u>Key</u> =										
Flavour	Tally	Total		Flavour						
Chocolate		six tens subtract 50 ones		Chocolate	\bigtriangleup					
Strawberry		4 tens – 3 tens		Strawberry	\bigtriangleup					
Vanilla		half of 4 tens subtract 17		Vanilla	\triangle					
Mint		10 x 0 ones		Mint						

			Key				
Name	Tally	Total	= aoal				
Tia		half of 2 ones add five	· - J				
Zach		Zero add 9 ones subtract four					
Rosie		five multiplied by one		0	0	000	
Leanna		40 halved and halved again		U Tia	V Zach	T Rosie	Leanna

	<u>Key</u> = 1										
Vehicle	Tally	Total		Vehicle							
Car		8 tens subtract seventy-three		Car							
Bus		eighteen ones subtract two x 5		Bus							
Lorry		fifty ones minus 50		Lorry							
Van		1 ten add the product 2 and zero		Van							



Answers

2

Complete the pictograms using the data given.

	$\underline{Key} = 1$										
Fruit	Tally	Total	Fruit								
Strawberry		fifty-two subtract 48 ones	Strawberry								
Pear	Ш	Twenty subtract one and a half tens	Pear								
Apple		one hundred ones subtract 99 ones	Apple								
Peach	₩ III	Half sixteen ones	Peach	$\bigcirc \bigcirc $							

		<u>Key</u>	<u> </u>	
Flavour	Tally	Total	Flavour	
Chocolate	IH IH	six tens subtract 50 ones	Chocolate	
Strawberry	JHT JHT	4 tens – 3 tens	Strawberry	
Vanilla		half of 4 tens subtract 17	Vanilla	$\triangle \triangle \triangle$
Mint		10 x 0 ones	Mint	

-			Key			-	
Name	Tally	Total	aoal				
Tia	I₩ I	half of 2 ones add five					
Zach	Щ	Zero add 9 ones subtract four					
Rosie	Щ	five multiplied by one				000	
Leanna	₩ ₩	40 halved and halved again		U Tia	V Zach	C Rosie	Leanna

<u>Key</u> = 1					
Vehicle	Tally	Total		Vehicle	
Car	₩	8 tens subtract seventy-three		Car	
Bus	JHT III	eighteen ones subtract two x 5		Bus	
Lorry		fifty ones minus 50		Lorry	
Van	JHT JHT	1 ten add the product 2 and zero		Van	

2

The tally chart shows the favourite ice-cream flavours in Class 2.

Flavour	
Chocolate	
Strawberry	JHT JHT
Vanilla	JHT IIII JHT
Mint	JHT III

The pictogram is built using the given information.

Flavour	🛑 = 1
Chocolate	0000000
Strawberry	
Vanilla	
Mint	

Which statement is incorrect? Why?

- •There are 3 votes for mint instead of 8.
- •There are 10 votes for strawberry instead of 12.
- •There are 8 votes for chocolate instead of 17.

Rosie drew a tally chart showing the score of each child.



Name	Score
Esin	₩₩₩
Leanna	JHT JHT
Zach	
Tia	JHT III

Using this data she drew a pictogram.



Can you recreate the pictogram? Explain your method.

masterthecurriculum.co.uk

Reasoning & Problem Solving

2

Draw Pictograms

The tally chart shows the favourite ice-cream flavours in Class 2.

Flavour	
Chocolate	ШЩIЩI
Strawberry	JHT JHT
Vanilla	JHT IIII JHT
Mint	JHT III

The pictogram is built using the given information.

Flavour	🛑 = 1
Chocolate	0000000
Strawberry	
Vanilla	
Mint	

Which statement is incorrect? Why?

- •There are 3 votes for mint instead of 8.
- •There are 10 votes for strawberry instead of 12.
- •There are 8 votes for chocolate instead of 17.

Rosie drew a tally chart showing the score of each child.



Name	Score
Esin	ШТ ШТ III
Leanna	JHT JHT
Zach	
Tia	JHT III
Tia	JHT III

Using this data she drew a pictogram.



Can you recreate the pictogram? Explain your method.

masterthecurriculum.co.uk

Draw Pictograms

Answers

2



2

The tally chart shows the favourite Rosie drew a tally chart showing the score of each child. ice-cream flavours in Class 2. Score Name Flavour Tally Ш Esin ШТ Chocolate ШТ Leanna ШТI Strawberry Zach Vanilla JHT IIII JHT Tia 1 ШТ ₩1 ||| Mint Using this data she drew a pictogram. But now Zach has 10 x 0 ones points more. The pictogram is made using the given information. Key: Flavour Chocolate Strawberry Vanilla Mint eanna Zach Find the mistakes. Can you recreate the pictogram? Explain your answer. Explain your method. masterthecurriculum.co.uk \sum Draw Pictograms 2 Reasoning & Problem Solving Rosie drew a tally chart showing The tally chart shows the favourite ice-cream flavours in Class 2. the score of each child. Score Name Flavour Tally Esin ШТ Ш Chocolate Шſ Leanna ШТI JHT JHT || Strawberry Zach 111 Vanilla JHT IIII JHT Ш Tia ₩f III Mint Using this data she drew a pictogram. But now Zach has 10 x 0 ones points more. The pictogram is made using the given information. Keu: Flavour Chocolate Strawberry Vanilla Mint Zach eanna Find the mistakes.

> Can you recreate the pictogram? Explain your method.

Explain your answer.





Reasoning & Problem Solving

2



