



Canonbury Home Learning

Year 2/3 Maths

Steppingstone activity

Lesson 5 – 26.06.2020

LO: To interpret and construct simple pictograms

Success Criteria:


1. Read the information about **pictograms**
2. Use the information in the **Total** column to complete the pictogram
3. Find some containers around your house and experiment with their capacity – talk through the questions with someone you live with

### 1. What is a pictogram?

A **pictogram** is a **chart** or **graph** which uses pictures to represent data.




They are set out the same way as a bar chart but use pictures instead of bars. Each picture could represent one item *or* more than one.

Today we will be drawing pictograms where each picture represents one item.


 = 1 book

James		3
Sarah		2
Alex		1
Amy		5
Terry		2






### 2. Complete the pictogram:


Hair Colour		Total
Black		5
Blonde		
Brown		9
Ginger		4

**Key**

 = 1 person

### 2. Use the tally chart to help you complete the pictogram:

Fruit	Tally	Fruit	
Banana		Banana	
Grape		Grape	
Pear		Pear	
Apple		Apple	

**Key**  = 1 person

Task:

You are going to be **drawing pictograms 1-1**

Success Criteria:

1. Read the information about **pictograms**
2. **Task 1:** Use the information in the table to complete the pictogram
3. **Task 2:** Use the information in the tally chart and pictogram to complete the missing sections of each

**Model:**

1. What is a pictogram?

A **pictogram** is a **chart** or **graph** which uses pictures to represent data.

They are set out the same way as a bar chart but use pictures instead of bars. Each picture could represent one item *or* more than one.




Today we will be drawing pictograms where each picture represents one item.

 = 1 book


James		3
Sarah		2
Alex		1
Amy		5
Terry		2

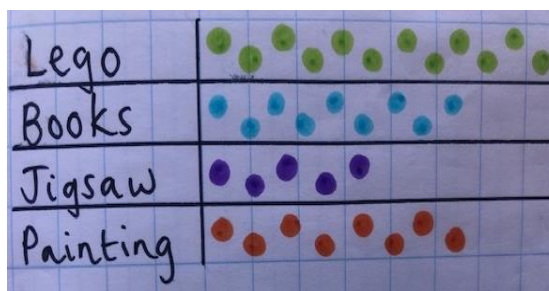
2.

Use the table to complete the pictogram.

Lego	
Books	
Jigsaw	
Painting	



Lego	12
Books	9
Jigsaw	5
Painting	8

 = 1 person

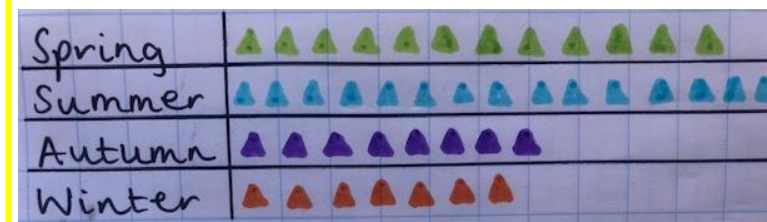


3.

Complete the missing sections of the tally chart and pictogram.  $\triangle = 1$  person

Spring	
Summer	
Autumn	
Winter	

Seasons	Tally
Spring	
Summer	
Autumn	
Winter	



Spring = ||| ||| ||  
Winter = ||| ||

**Task 1**

**Practice**

**Use the totals to complete the pictograms:** ● = 1 person

Colour	Number of People	Total
Red		5
Blue		4
Green		10
Yellow		7

Dog	
Cat	
Fish	
Rabbit	

Dog	10
Cat	12
Fish	4
Rabbit	7

Salad	
Pizza	
Pie	
Fish	

Salad	5
Pizza	6
Pie	13
Fish	8

**Use the tally chart to complete the pictogram.**

Goose	
Parrot	
Eagle	
Owl	

Goose	
Parrot	
Eagle	
Owl	

**Task 2**

**Practice**

**Complete the missing sections of the tally charts and pictograms.** ▲ = 1 person

Football	
Tennis	
Rugby	
Boxing	

Football	
Tennis	
Rugby	
Boxing	

Blonde	
Black	
Brown	
Red	

Blonde	
Black	
Brown	
Red	

Javelin	
Skipping	
Netball	
Cycling	

10 more people liked netball than cycling and the same number of people liked javelin as skipping.

Javelin	
Skipping	
Netball	
Cycling	

▲ = 1 person

Cereal	
Eggs	
Toast	
Porridge	

6 fewer people liked porridge than cereal and 7 more people liked eggs than toast.

Cereal	
Eggs	
Toast	
Porridge	

▲ = 1 person

**Task 3**

**Reasoning**

**Explain your answers.**

3a. Find and correct the mistake in Sam's pictogram.

Reading	
Swimming	
Running	

= 1 person

Reading	6
Swimming	2
Running	9

Explain what Sam did wrong.

6a. Find and correct the mistakes in Reece's pictogram.

Pizza	
Sausages	
Burger	

= 1 person

Pizza	14
Sausages	5
Burger	10
Chips	4

Explain what Reece did wrong.

9a. Find and correct the mistakes in Mandip's pictogram.

Fiction	
Non-fiction	
Poetry	

= 1 person

Fiction		Non-fiction	
Poetry		Poetry	
Comic		Fiction	

Explain what Mandip did wrong.

**Task 4**

**Problem solving**

1b. Kim draws a pictogram from the following table.

Animals

Cow	9
Sheep	
Horse	4
Chicken	10

She knows there are more sheep than horses, but fewer sheep than cows.

How many sheep could she draw on her pictogram?

4b. Stan is drawing a pictogram from the following chart.

Flowers

Rose	
Daffodil	
Sunflower	
Tulip	

He knows there are fewer sunflowers than daffodils, but more sunflowers than roses.

How many sunflowers could he draw on his pictogram?

7b. Jordan was drawing a pictogram to show the favourite pets in Year 2.

Class 2a		Class 2b	
Dog		Cat	
Cat		Bird	
Bird		Snake	

Use Jordan's information to draw one vertical pictogram to show both sets of information.

**Challenge**

2. Tilly and Matt visit the park with their class. They count the rides that they see and each make a tally chart.

Park Rides	Tally
Swing	 
Slide	      
Sandpit	 
Seesaw	 

Park Rides	Tally
Roundabout	 
Slide	      
Climbing Frame	 
Swing	 

Tilly and Matt both want to draw a pictogram, but Matt drops his chart in a puddle!

Explore what Matt's pictogram could look like if he counts 27 rides in total. Use Tilly's tally chart to help you.