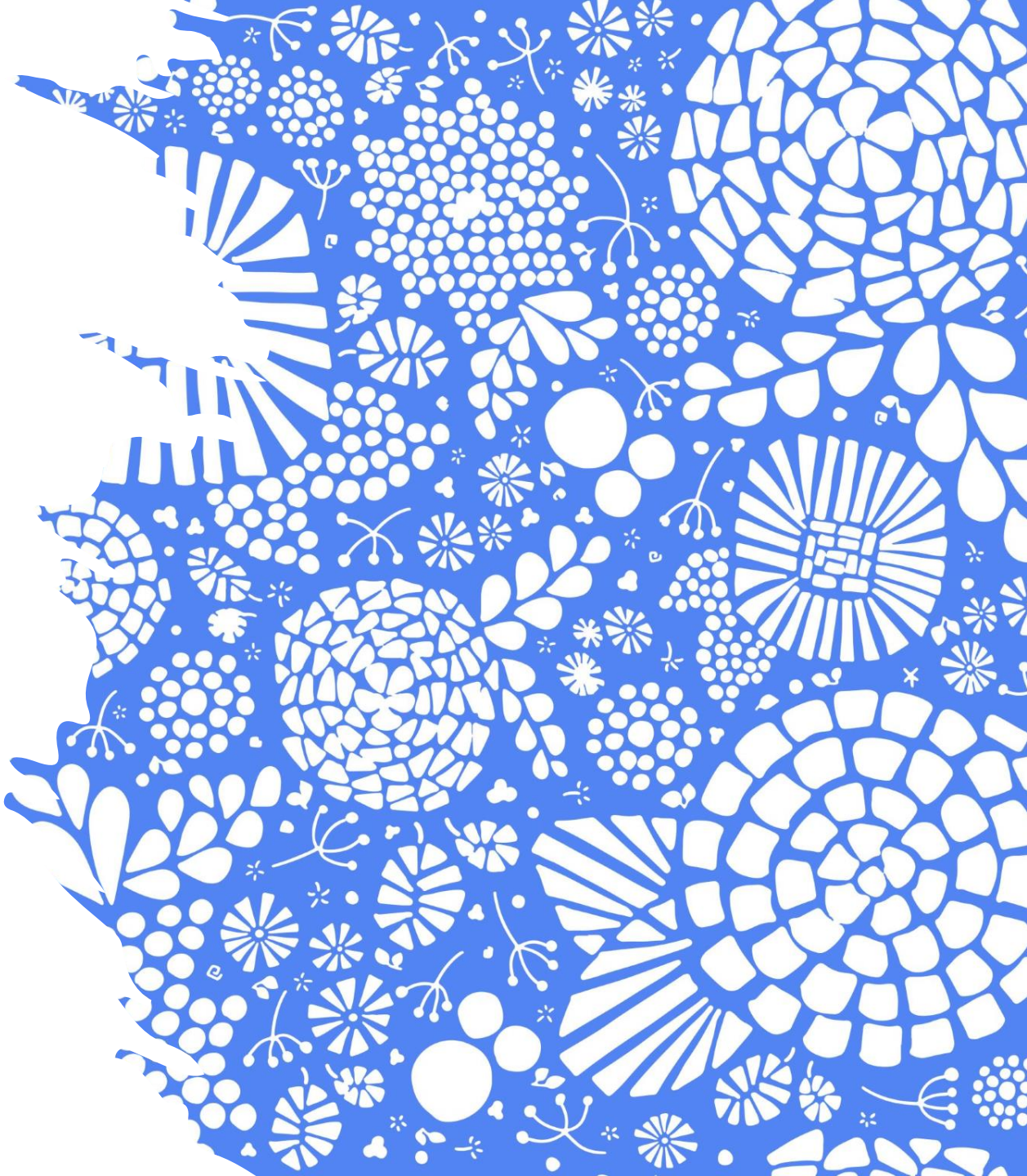
WEEK 4

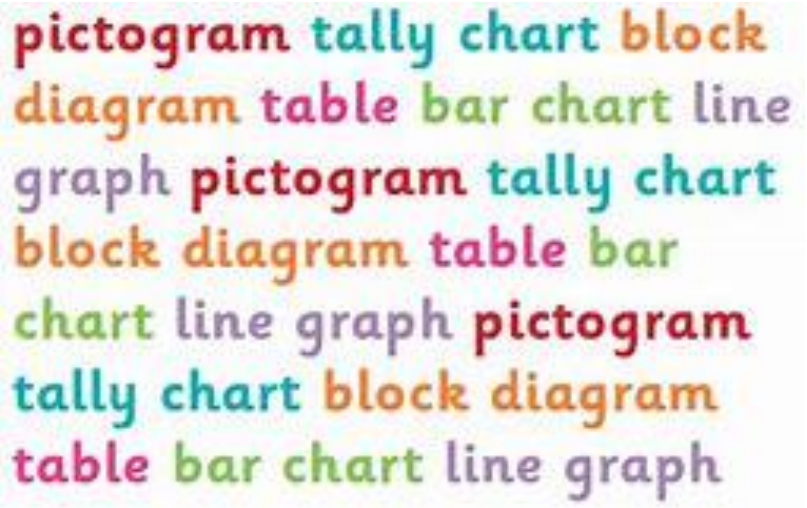
DATA HANDLING



DAY 1

- Introduction to data Handling

What is Data Handling?



L. O. Can I make a Mind map on Data Handling?

- What do you know about:

- Data handling

DATA

Primary data
data you collect yourself
questionnaire, survey

Secondary data
data you look up in books internet.

Ordinal
(yes, maybe, no)
choice

Categorical
(with words)

tally charts

Data

Numerical
(with numbers)

Continuous (counted)

Discrete (measured)

Finding data

Mode
The value that occurs most often
eg 4, 6, 7, 7, 8
mode = 7

Mean
sum of numbers ÷ by number of numbers (like average)
4, 2, 6,
12 ÷ 3 = 4
Mean = 4

Range
the largest value minus the smallest value. 3, 7, 2.
7 - 2 = 5 range = 5

Chapt 1

Chapter 2

Chapter 3

Presenting data

Vertical line graph

bar chart

Numerical data that can be counted

histograms (numerical)

Stem and leaf diagrams

pie chart

L.O. Can I understand Tally charts?

Fill in the Frequency column.

What kind of chocolate is your favourite?

Chocolate	Tally	Frequency
Milk	𝍸 𝍸 𝍸 𝍸 ||	
Dark	𝍸	
White	𝍸 𝍸 |||	
	Total	40

What Questions could you ask about the Tally chart?

ANSWERS

Milk	22
Dark	5
White	**13**

L.O. Can I make and interpret Tally Charts?

Favourite Fruit

Shoppers in the supermarket were asked in a survey which was their favourite fruit. Here is a list of their responses.

Banana	Apple	Banana	Banana	Grape	Orange
Apple	Apple	Strawberry	Orange	Apple	Banana
Orange	Orange	Strawberry	Banana	Grape	Apple
Apple	Apple	Orange	Strawberry	Strawberry	Apple

Copy this Tally Chart into your jotter and use the list above to complete it.

FRUIT	TALLY	TOTAL
Apple		
Banana		
Grape		
Orange		
Strawberry		

Then use the information in the tally chart to answer the questions below in your jotters.

1) Which fruit was the most popular?
2) Which fruit was the least popular?
3) Which two fruits were preferred by the same number of people?
4) How many more people preferred Apples to Grapes?
5) How many fewer people preferred Strawberries to Bananas?
6) How many people were surveyed all together?
7) Order the fruits from most popular to least popular?

ANSWERS

- Total
- apple 8, banana 5, grape 2, orange 5, strawberry 4

- 1. apple
- 2. grape
- 3. banana and orange
- 4. 8 – 2 = 6
- 5. 24
- 6. apple, banana, orange, strawberry, grape.

DAY 2

- Pictograms

What is a pictogram?

- A pictogram is a graph which uses pictures or symbols to show the information.

L.O. Can I understand Pictograms?

Name_____ Date_____

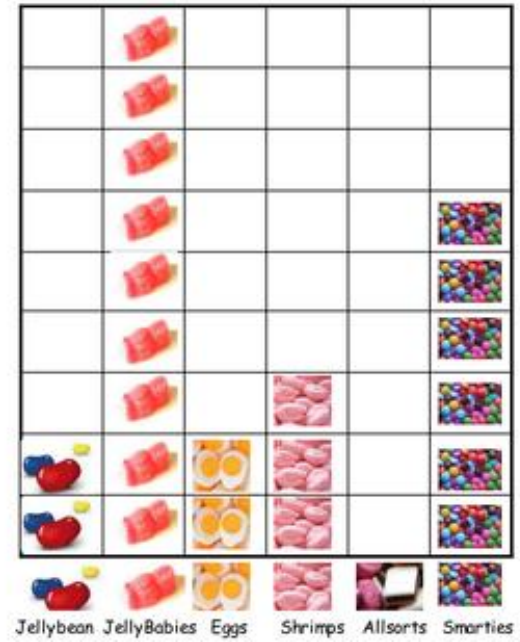
Which sweet was the most popular?

Which sweet was the least popular?

Which sweet did 3 people choose?

How many people liked eggs?

Which sweets were more popular than jellybeans?



ANSWERS

1. Jelly babies

2. Allsorts

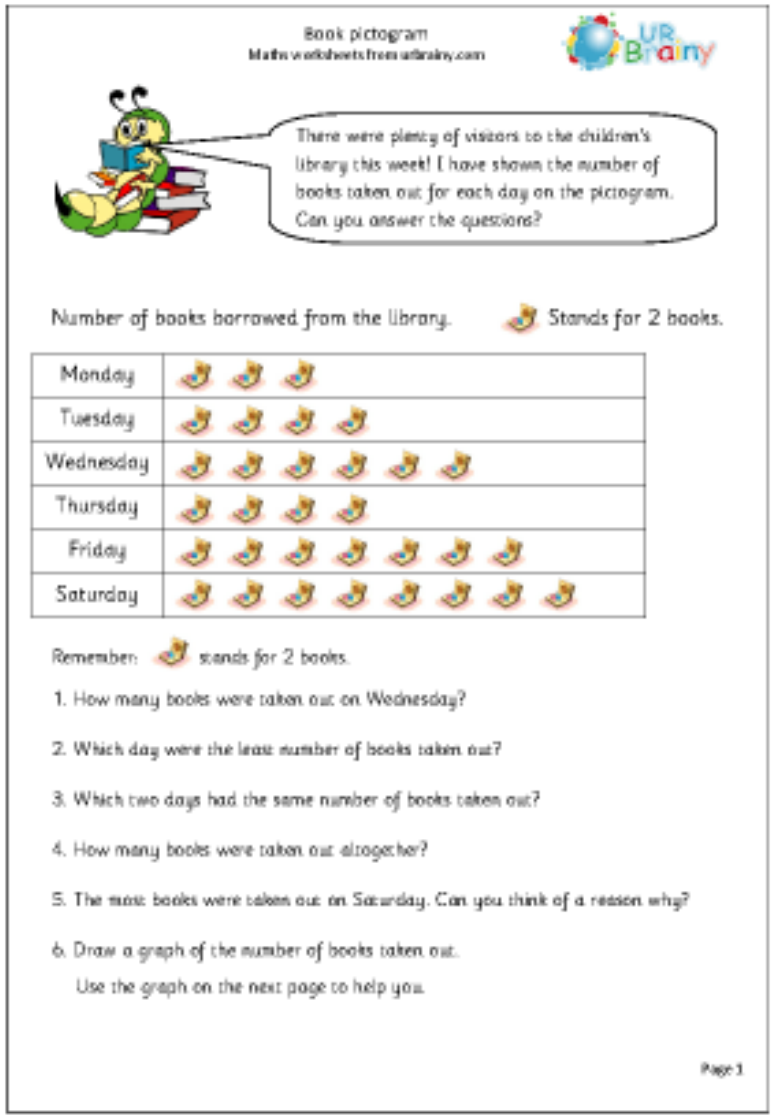
3. Shrimps

4. 2

5. jelly babies, shrimps, smarties

Can I answer these questions?

Ignore question 6 for now.



Book pictogram

Maths worksheets from urbrainy.com

There were plenty of visitors to the children's library this week! I have shown the number of books taken out for each day on the pictogram. Can you answer the questions?

Number of books borrowed from the library. Stands for 2 books.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	

Remember: stands for 2 books.

1. How many books were taken out on Wednesday?
2. Which day were the least number of books taken out?
3. Which two days had the same number of books taken out?
4. How many books were taken out altogether?
5. The most books were taken out on Saturday. Can you think of a reason why?
6. Draw a graph of the number of books taken out.
   Use the graph on the next page to help you.

Page 1

ANSWERS

1. 12

2. Monday

3. Tuesday and Thursday

4. 64

5. People may not be at work or school**, so can visit the library.**

Day 3

Drawing Pictograms

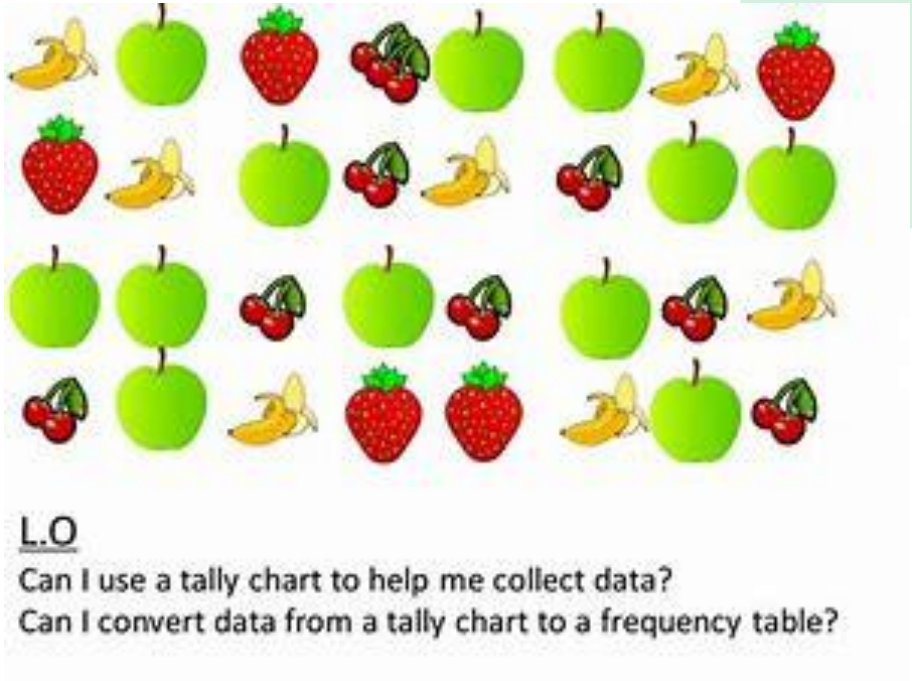
L.O. Can I draw pictograms?

A group of children were asked to vote for their favourite minion. You need to help them count the votes by completing the tally chart below.

Minion	Tally	Frequency
Bob		
Kevin		
Stuart		

Now draw a pictogram.

Look at this information



- Can you draw a pictogram?
- What questions could you ask about this data?

Day 4

Bar Graphs

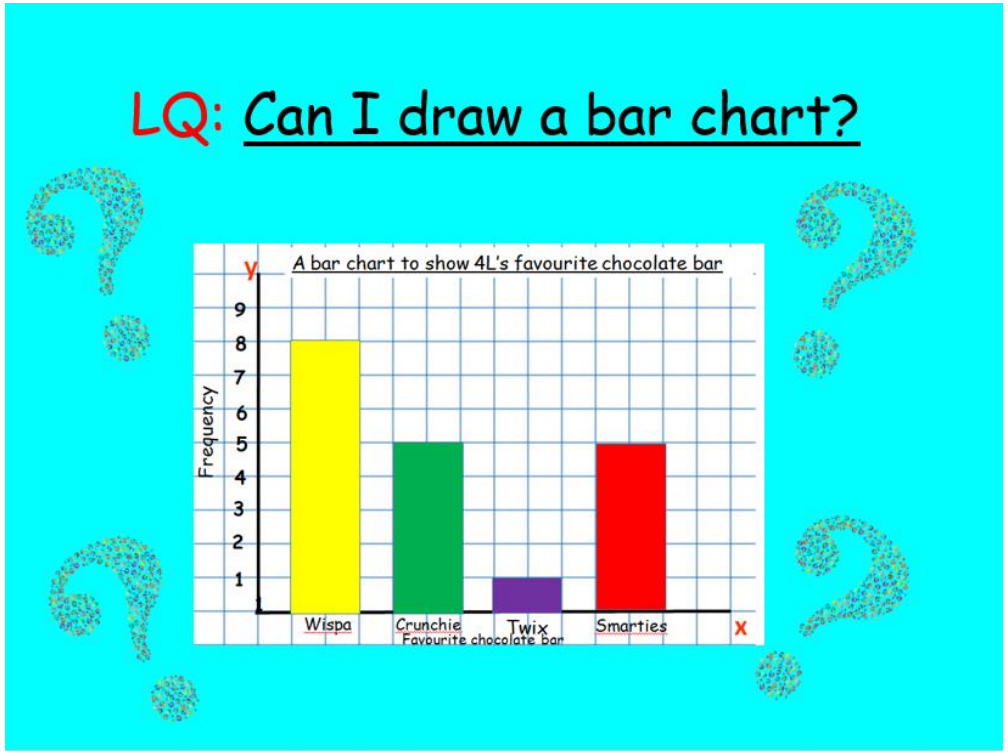
This is a simple Bar Graph

- Look carefully at the scale. It is going up in 1's.

- The columns are the same width.

- The x axis and y axis are labelled.

- There is a title.



Use the Bitesize link "Thursday" to complete work on Bar graphs.

DAY 5

Drawing and interpreting Bar Graphs

Draw a bar graph using this information.

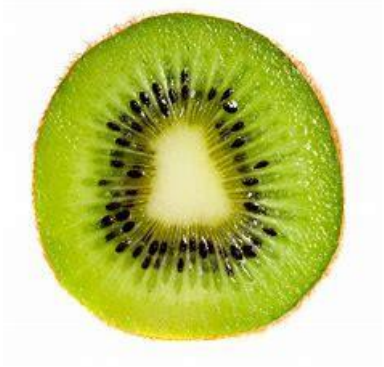
- Favourite fruit.

5

3

7

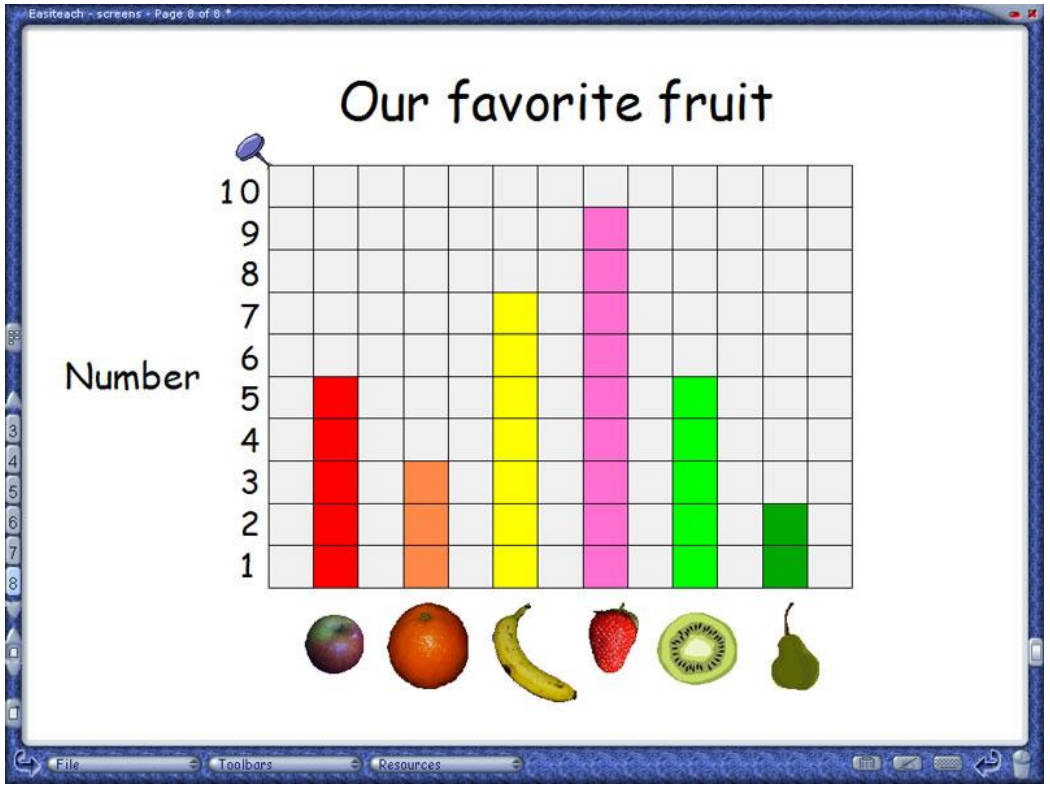
9



5

2

Did you draw something like this?



L.O. Can I interpret Bar graphs?

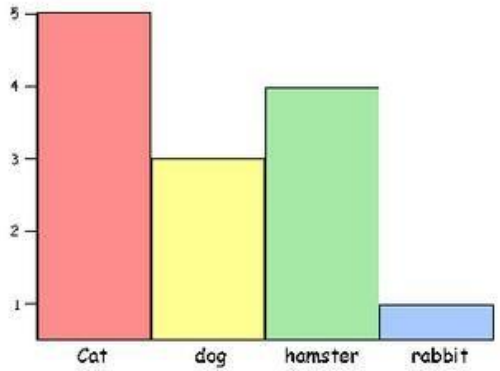
Score 7

02-01-04-001-s

Name:_____ Subject: Year 2 Numeracy

Date:_____ Unit: Bar graphs

The children in class 2 were asked if they had any pets. and what type of pet they had.



1. How many children have a pet cat? _____
2. How many children have a pet rabbit? _____
3. Which is the most popular pet? _____
4. How many cats and dogs do the class have altogether? _____
5. How many hamsters do the class have? _____
6. How many children have a pet in class 2? _____
7. If there are 30 children in the class, how many children don't have a pet? _____

ANSWERS

1. 5

2. 1

3. cat

4. 5 + 3 = 8

5. 4

6. 13

7. 30 – 13 = 17

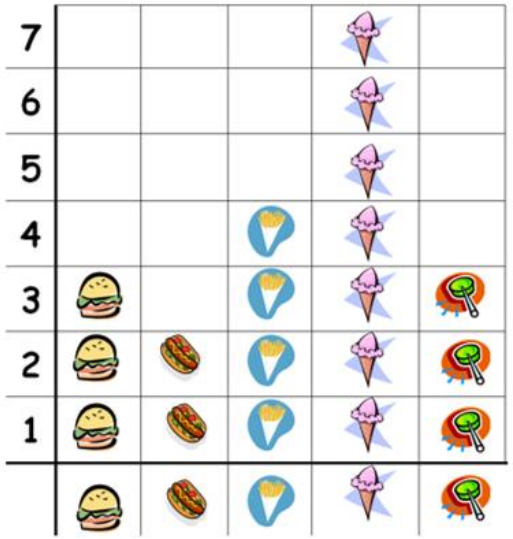
EXTRA

- Reasoning problems

1.

L.O. Can I solve reasoning problems?

This pictogram shows favourite foods. How many more people liked Ice-cream than hot dogs?



L.O. Can I solve reasoning problems?

2 **Look at the table and the related information given.**

Cheese sandwich is chosen by 5 children. Show this information in the picture graph using the pictures given.

Each ☺ represents 2 children. Each ☾ represents one child.

Pickle	☺ ☺ ☺
Peanut butter	☺ ☺ ☺ ☺ ☾
Cheese	
Ham	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺
Tuna	☺ ☺ ☺ ☺ ☺ ☾

Cheese = 5 children

1 mark

L.O. Can I solve reasoning problems?

3 Class 6 collect litter from a park.

This chart shows some of the litter they have collected so far.

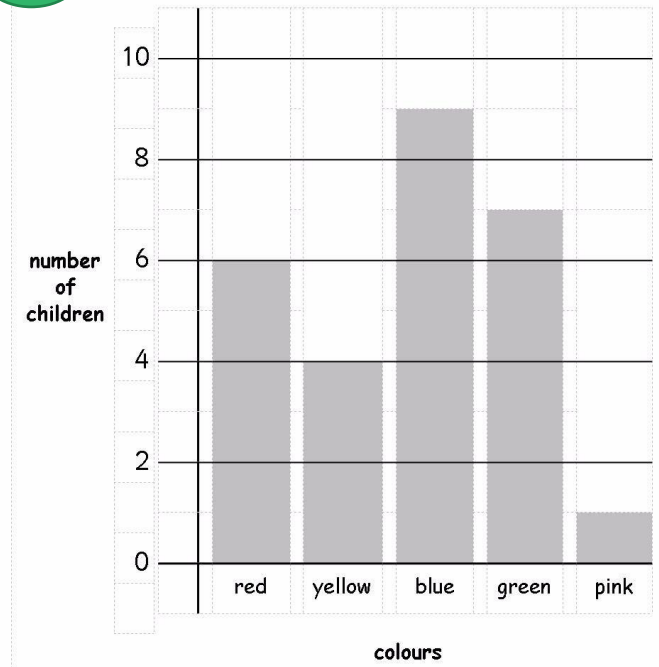
How many bottles have Class 6 collected?

How many **more** bags than cans have they collected?

5 Total out of 4

L.O. can I solve reasoning problems?

4. This block graph shows Class 2's favourite colour.



Answer these questions.

a) How many children like red and yellow altogether?

b) How many children are there in Class 2 altogether?

ANSWERS

1. 4 – 2 = 2

2. 2 ½ smiley faces

3. 450 bottles

425 – 300 = 125

4. 6 + 4 = 10

6 + 4 + 9 + 7 + 1 =27