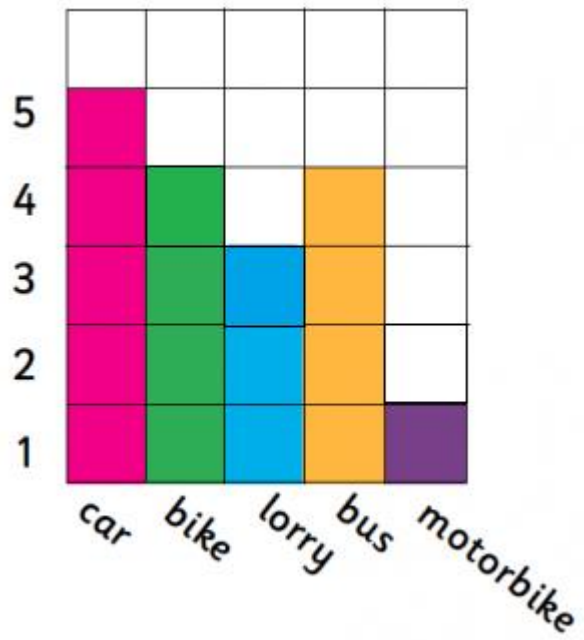
RECALL – BAR CHART (1 REPRESENTS 1)

How can we show information (data)?

1. What was the most frequent vehicle?
2. What was the least frequent vehicle?
3. Which two vehicles were liked equally?
4. How many lorries and buses were there altogether?
5. How many cars and bikes were there altogether?
6. What is the difference between bikes and lorries?
7. What is the difference between bus and motorbike?
8. What is the difference between car and lorry?
9. How many vehicles were observed in total?
10. Three trams are also seen. Add this data onto the end of the bar chart.

A bar chart to show the vehicles observed on a road.



3 BEFORE ME

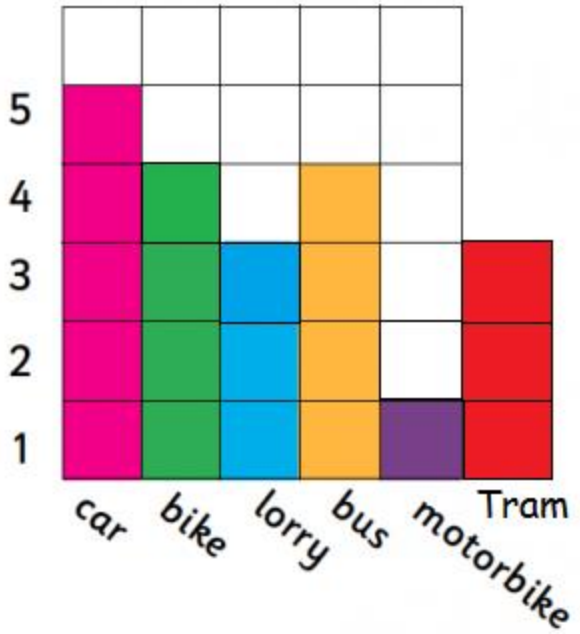
Each block on the bar chart represents 1.

RECALL – BAR CHART (1 REPRESENTS 1)

How can we show information (data)?

1. What was the most frequent vehicle? car
2. What was the least frequent vehicle? motorbike
3. Which two vehicles were liked equally? Bike and bus
4. How many lorries and buses were there altogether? 7
5. How many cars and bikes were there altogether? 9
6. What is the difference between bikes and lorries? 1
7. What is the difference between bus and motorbike? 3
8. What is the difference between car and lorry? 2
9. How many vehicles were observed in total? 17
10. Three trams are also seen. Add this data onto the end of the bar chart.

A bar chart to show the vehicles observed on a road.



3 BEFORE ME

Each block on the bar chart represents 1.

LO: I CAN INTERPRET DATA ON A BAR CHART (SCALE OF 2)

Page

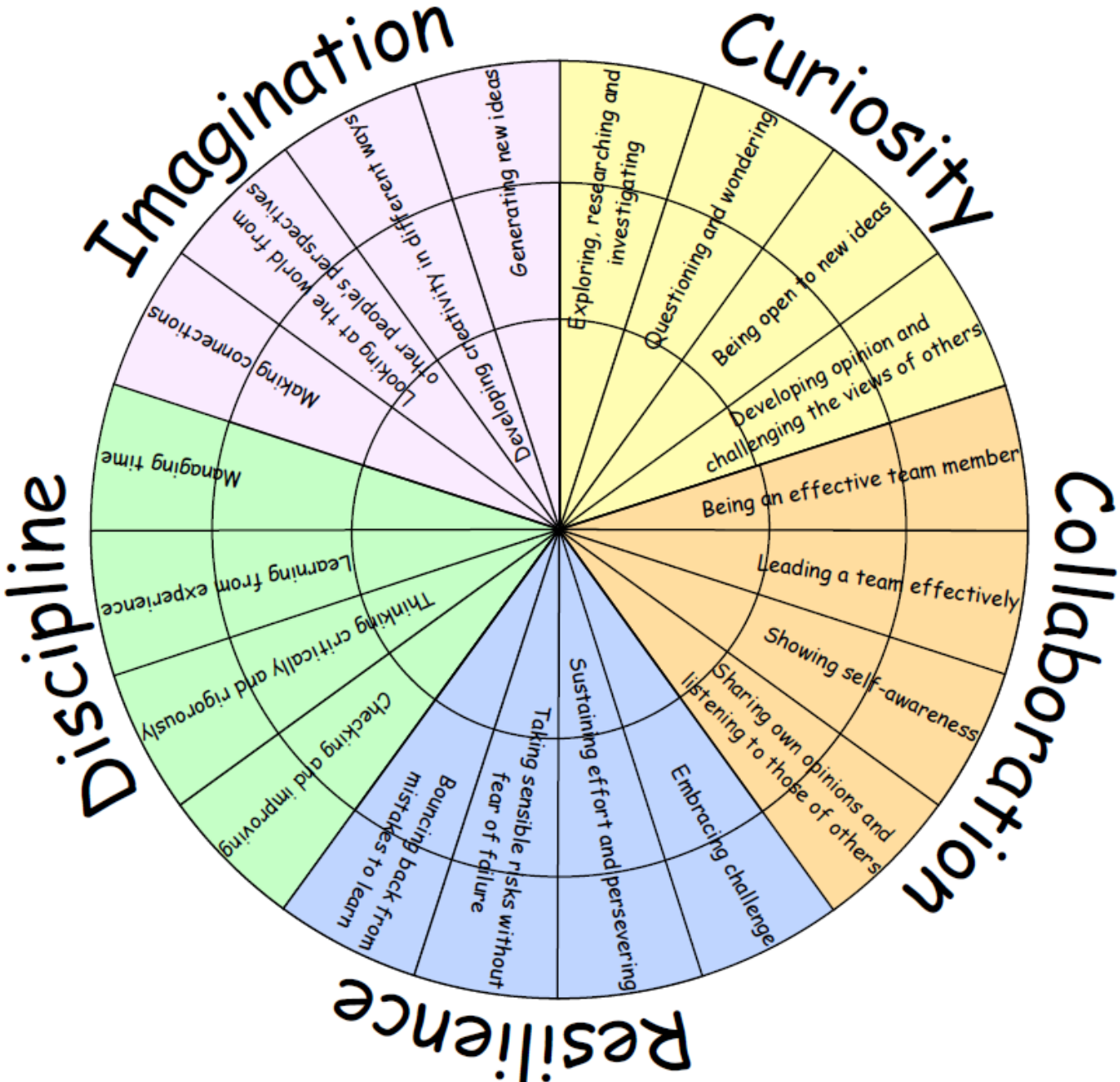
Some will even interpret data by finding the difference.

Some will interpret the data simply (most, least, total).

Most will give values and interpret data on a bar chart (vertical axis has scale of 2).

All will give values and interpret data on a bar chart (vertical axis has scale of 1).

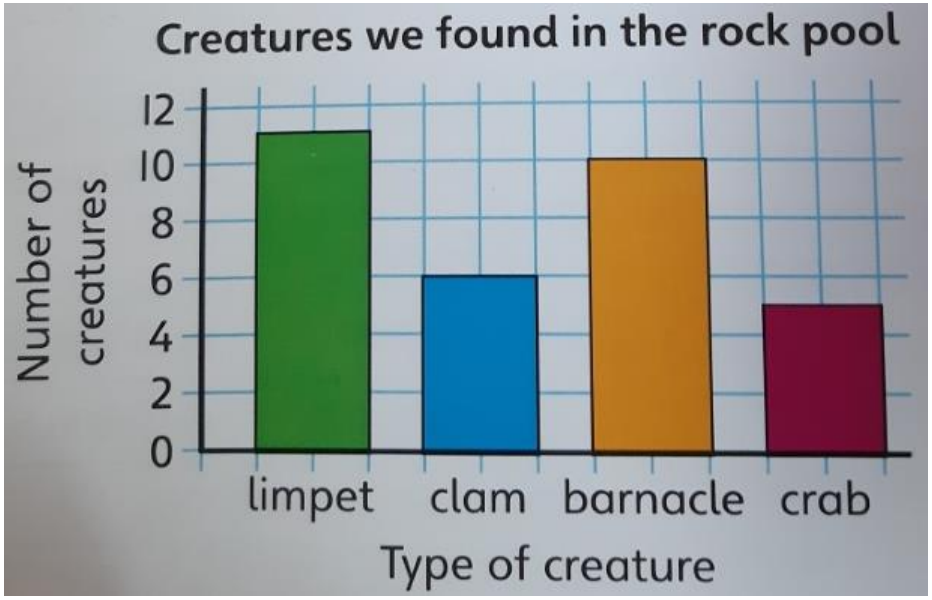
LEARNING HABITS?



GUIDED EXAMPLE

These children look for creatures in a rock pool.

They present their data on a bar chart.



The line that goes **UP** is the vertical axis.
The scale (numbers) on the vertical axis will help you find the value of each bar.

Questions

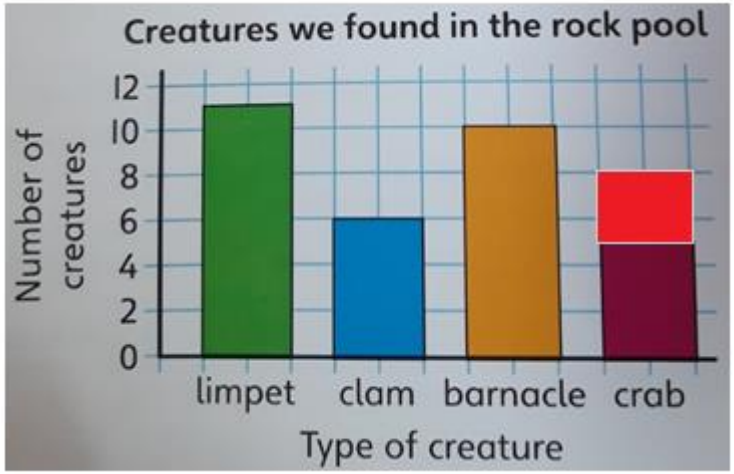
1. How many clams did they find?
2. How many barnacles did they find?
3. How many crabs did they find?
4. How many limpets did they find?
5. Which creature was the most common?
6. Which creature was the least common?
7. What is **the difference** between crabs and clams?
8. What is **the difference** between clam and barnacles?
9. What is **the difference** between crab and limpet?
10. The children found three more crabs, bringing the total to 8. Draw this on the bar chart.

3 BEFORE ME
The scale on the vertical axis goes up by 2.

GUIDED EXAMPLE

These children look for creatures in a rock pool.

They present their data on a bar chart.



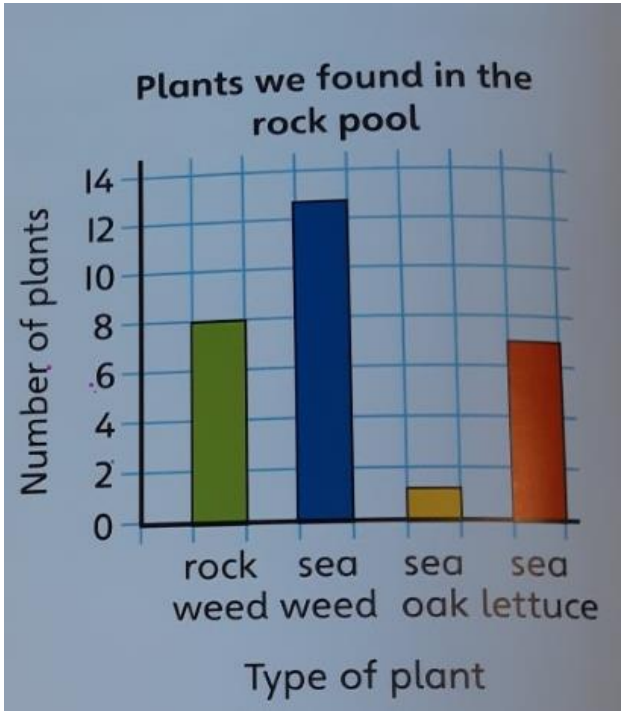
The line that goes UP is the vertical axis. The scale (numbers) on the vertical axis will help you find the value of each bar.

Questions

1. How many clams did they find? 6
2. How many barnacles did they find? 10
3. How many crabs did they find? 5
4. How many limpets did they find? 11
5. Which creature was the most common? limpet
6. Which creature was the least common? crab
7. What is **the difference** between crabs and clams? 1
8. What is **the difference** between clam and barnacles? 4
9. What is **the difference** between crab and limpet? 6
10. The children found three more crabs, bringing the total to 8. Draw this on the bar chart.

INTELLIGENT PRACTICE

After counting creatures, the children counted the types of plants found in the rock pool. They recorded their data on a bar chart.



1. How many rock weed plants did they find?
2. How many sea oak plants did they find?
3. How many sea lettuce plants did they find?
4. How many sea weed plants did they find?

1. What was the most common plant?
2. What was the least common plant?
3. Were there any plants greater than 10?
4. How many rock weed and sea oak plants were there altogether?

1. What is the difference between sea lettuce and rock weed?
2. What is the difference between sea oak and sea lettuce?
3. What is the difference between rock weed and sea weed?

3 BEFORE ME

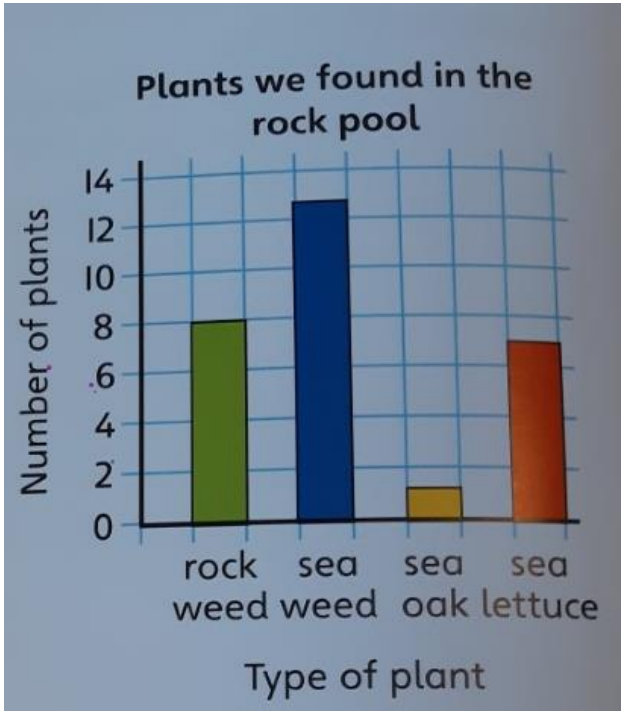
The scale on the vertical axis goes up by 2.

What other information can you tell me?

The ___ has ___ fewer than the _____.
The ____ is greater than the _____ by _____.
There were ____ plants altogether.
If __ had 5 more, the total would be _____.

INTELLIGENT PRACTICE

After counting creatures, the children counted the types of plants found in the rock pool. They recorded their data on a bar chart.



1. How many rock weed plants did they find? 8
2. How many sea oak plants did they find? 1
3. How many sea lettuce plants did they find? 7
4. How many sea weed plants did they find? 13

1. What was the most common plant? Sea weed
2. What was the least common plant? Sea oak
3. Were there any plants greater than 10? Yes, sea weed.
4. How many rock weed and sea oak plants were there altogether? 8 + 1 = 9

1. What is the difference between sea lettuce and rock weed? 7 8 = 1 more
2. What is the difference between sea oak and sea lettuce? 1 7 = 6 more
3. What is the difference between rock weed and sea weed? 8 13 = 5 more

3 BEFORE ME

The scale on the vertical axis goes up by 2.

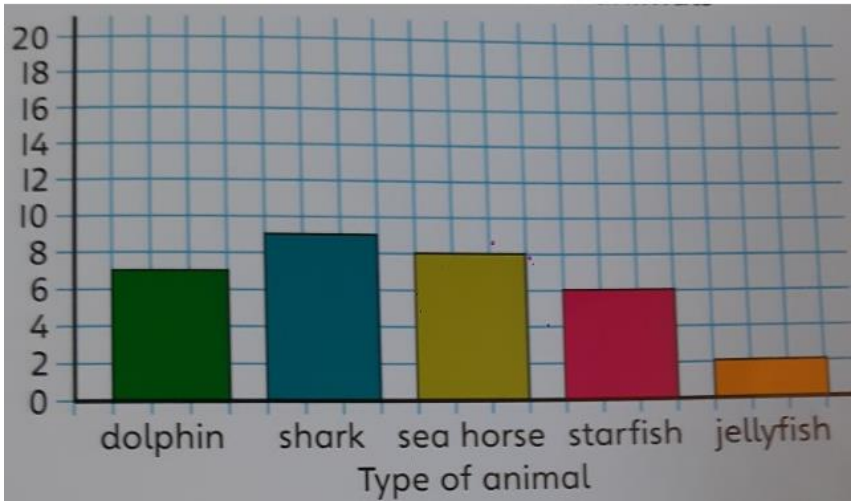
What other information can you tell me?

The ___ has ___ fewer than the _____.
The ____ is greater than the _____ by _____.
There were ____ plants altogether.
If __ had 5 more, the total would be _____.

DIVE DEEPER

1

Favourite sea animals



Complete the table to show how many children liked each sea creature.

dolphin	shark	Sea horse	starfish	jellyfish
		8		2

What is the most favourite? _____

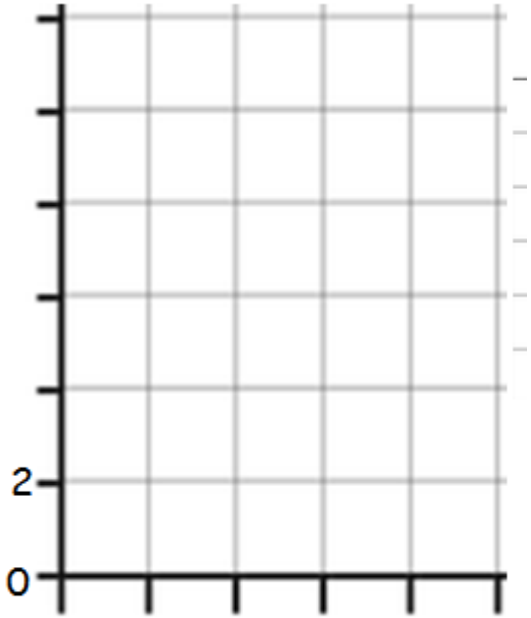
What is the least favourite? _____

The difference between _____ and _____ is ____.
The difference between _____ and _____ is ____.
The difference between _____ and _____ is ____.

2

Complete the bar chart using table of data.

Favourite _____



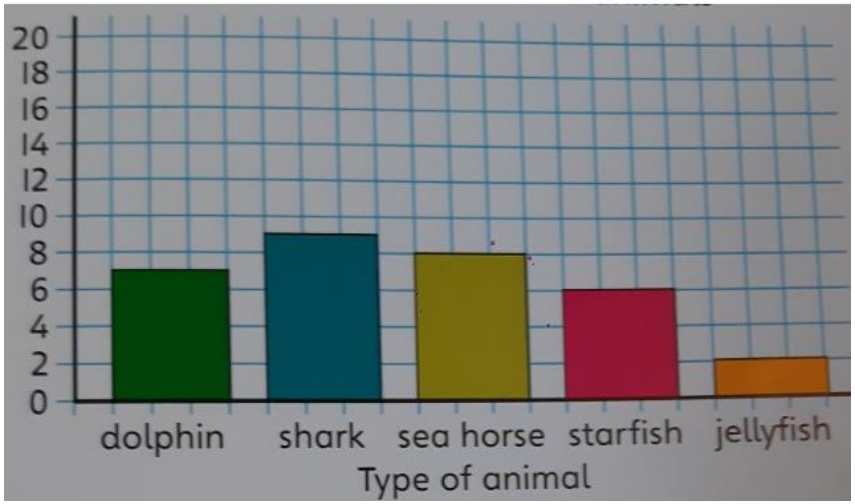
rabbit	cat	dog	hamster	bird
6	7	3	5	9

What facts can you tell me from this bar chart?
The ___ has ___ fewer than the _____.
The ____ is greater than the _____ by _____.
The difference between ___ and ___ is ___.
There were ____ animals altogether.
If __ had 5 more, the total would be _____.

DIVE DEEPER

1

Favourite sea animals



Complete the table to show how many children liked each sea creature.

dolphin	shark	Sea horse	starfish	jellyfish
7	9	8	6	2

What is the most favourite? shark

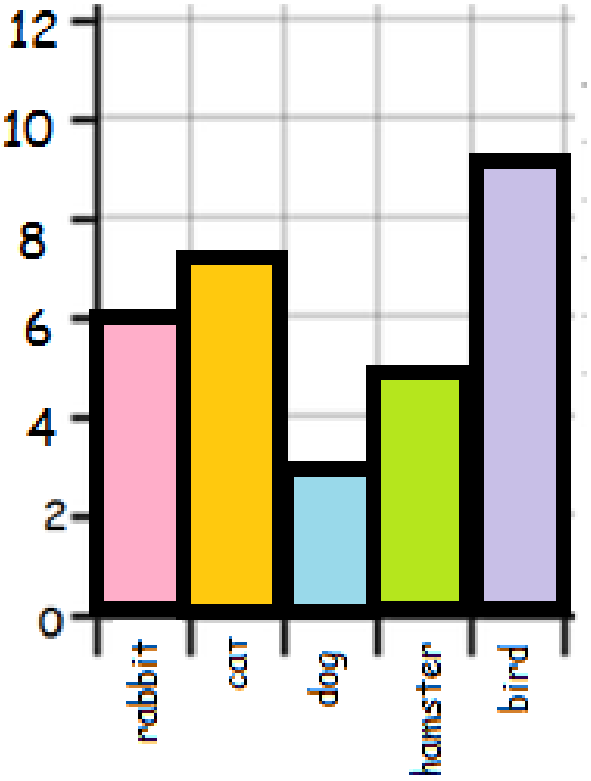
What is the least favourite? Jellyfish

The difference between _____ and _____ is ___.
The difference between _____ and _____ is ___.
The difference between _____ and _____ is ___.

2

Complete the bar chart using table of data.

Favourite pet/animal



What facts can you tell me from this bar chart?
The ___ has ___ fewer than the _____.
The ____ is greater than the _____ by _____.
The difference between ___ and ___ is ___.
There were ____ animals altogether.
If __ had 5 more, the total would be _____.

DIVE DEEPER 2

Use this data to create your own bar chart. Remember to label both axes and to give your bar chart a title.

How we travel to school in Class 8	Number of votes
walk	8
school bus	6
car	10
bike	7

What facts can you tell me from this bar chart?
The ___ has ___ fewer than the _____.
The ____ is greater than the _____ by _____.
The difference between ___ and ___ is ___.
There were ____ altogether.
If __ had 5 more, the total would be _____.