

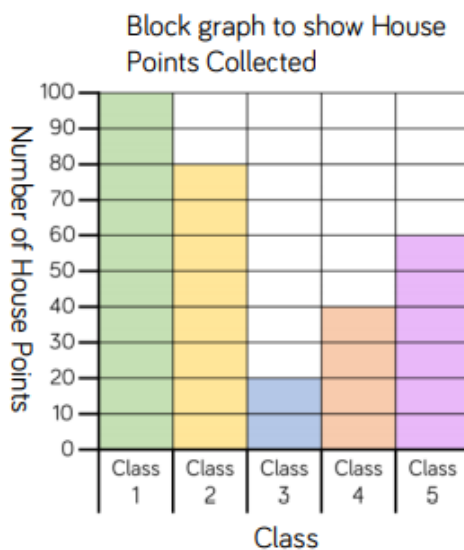
Wednesday 10th February 2021

L.O: I am getting better at creating and reading block diagrams.

Today in maths we will be looking at bar graphs. This is another way to show data / information.

As with pictograms, each bar shows an amount. The difference is there is a number line on the y axis which is used to read the bar graph.

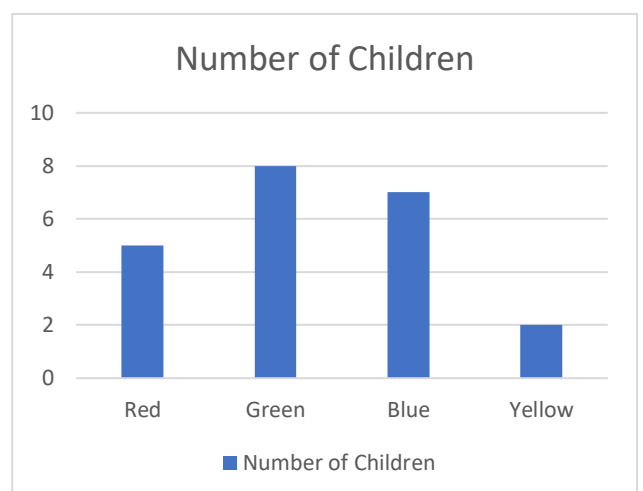
For example:



The x axis tells me the classes that were involved and the y axis tells me the number of house points that were gained.

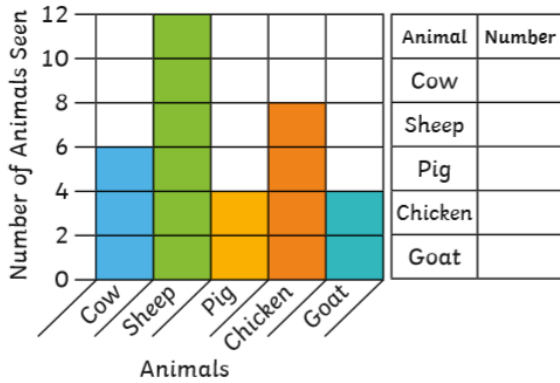
I can see that Class 1 have 100 points, Class 2 have 80 points, Class 3 have 20 points, Class 4 have 40 points and Class 5 have 60 points.

Colour	Number of children
Red	5
Green	8
Blue	7
Yellow	2



My bar graph would have Colour on the y axis and number of children on the x axis. From the numbers provided I can see that it is easier to have the numbers from 0-10.

Class A went to the farm. They recorded how many farm animals they saw, using a block diagram.



Complete the table to show how many of each animal they saw.

Which was the most common animal?

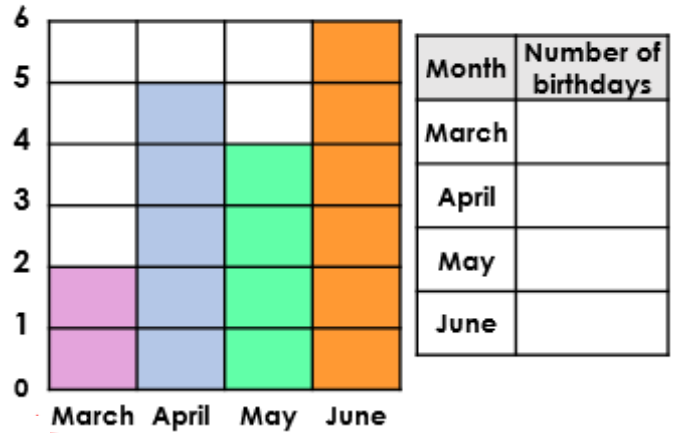
How many more chickens than goats were there?

How many fewer cows than sheep were there?

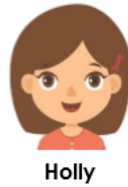
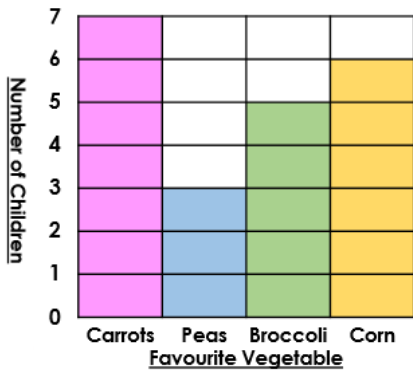
Write a title for this block diagram.

True or false? Class A saw 32 farm animals in total.

Complete the table to match the block diagram below.



Who is correct? Explain why.



In total, 9 children like corn or peas.

7 more children like carrots than peas.

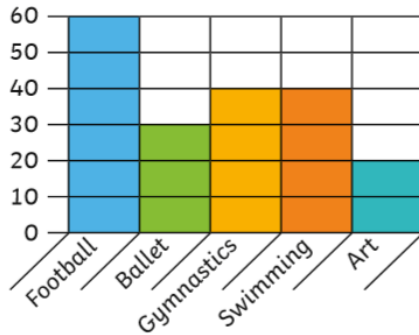


Look at the two sets of data below. What is the same? What is different?



Favourite Breakfast	Number of Children
Cereal	6
Toast	4
Eggs	2

Class B carried out a survey about after-school activities in their school. They recorded the data in this block diagram.



Amna and Bill are looking at the block diagram.



Amna

To find out how many children were asked altogether, I need to count all the blocks. 19 children were asked.

Do you agree with Amna and Bill?

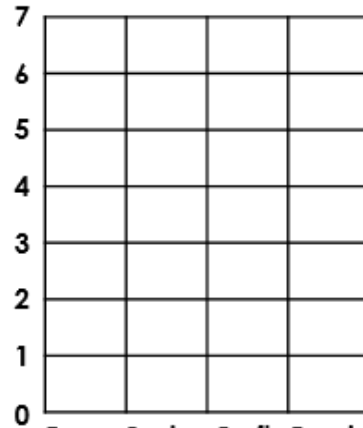
Explain your reasons.

Swimming is twice as popular as art.



Bill

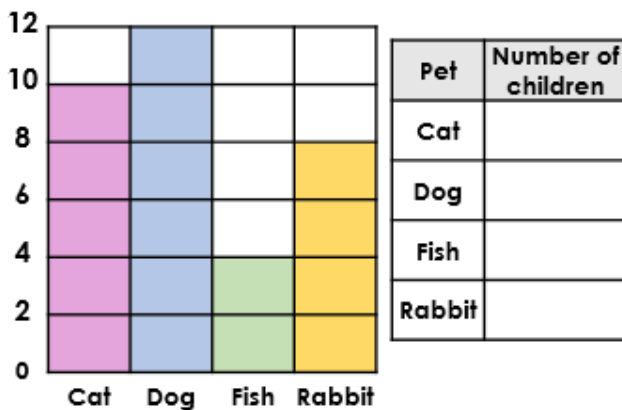
Complete the block diagram to represent the data shown in the table.



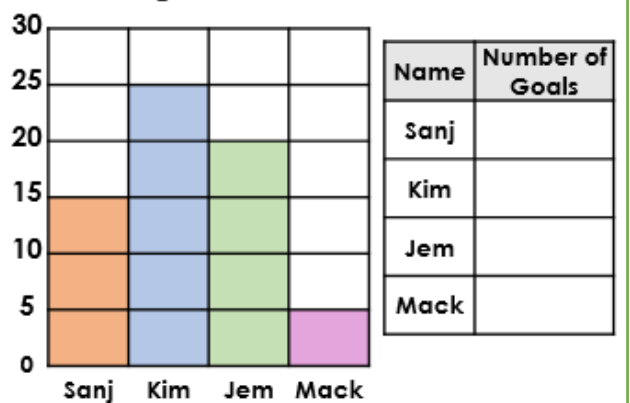
Dance Boxing Crafts Tennis

Clubs	Number of children
Dance	5
Boxing	3
Crafts	7
Tennis	4

Complete the table to match the block diagram below.

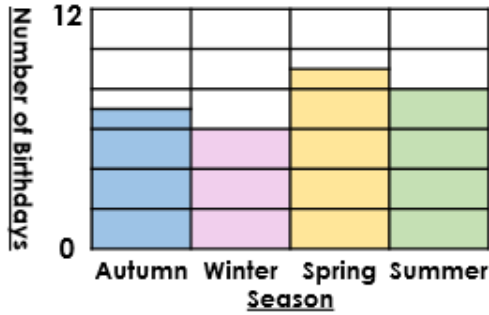


Complete the table to match the block diagram below.



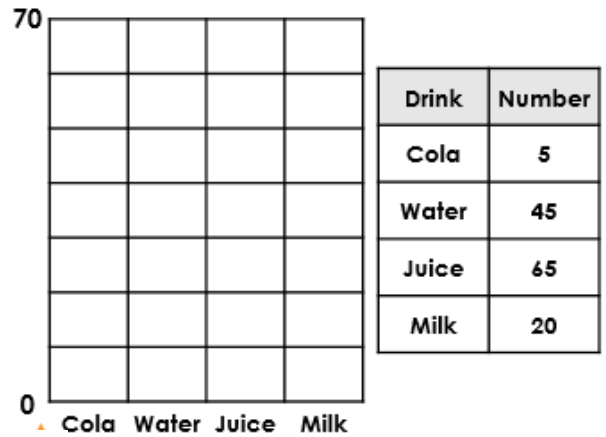
Extension

Use the block diagram to answer the questions below.

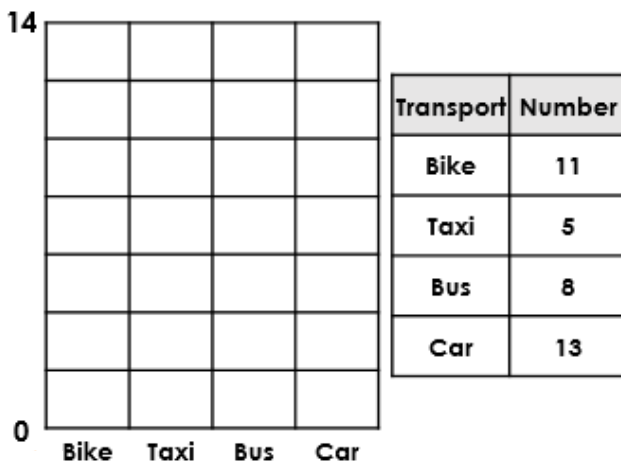


- Which season has more than 8 birthdays?
- How many fewer children have birthdays in Autumn than in Summer?
- In total, how many birthdays are there in Winter, Spring and Summer?

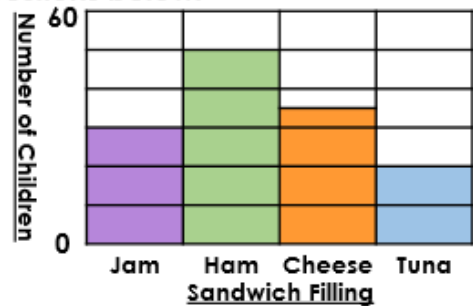
Complete the block diagram to represent the data shown in the table.



Complete the block diagram to represent the data shown in the table.



Use the block diagram to answer the questions below.



- Which sandwich filling was the most popular?
- How many more children chose ham than tuna?
- In total, how many children chose Jam and cheese?