

Name: _____

Date: 3.2.2021

Interpreting data from scaled pictograms and block diagrams

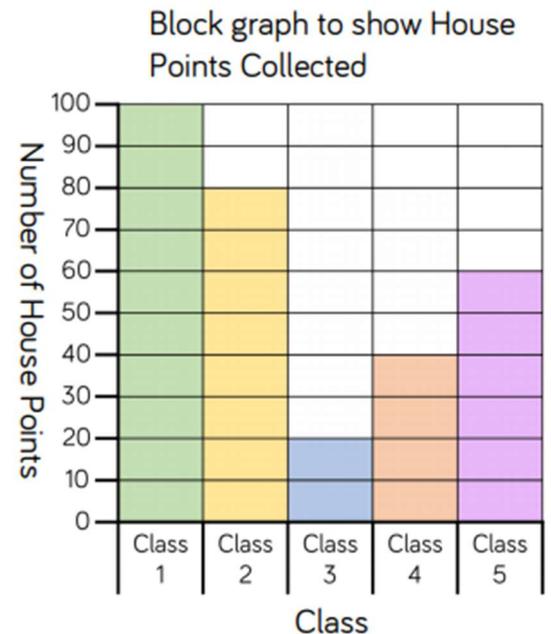
Watch the video in the link. Now you are ready to complete these questions.

<https://classroom.thenational.academy/lessons/interpreting-data-from-scaled-pictograms-and-block-diagrams-c9h3gc?step=2&activity=video>

1. Five classes collected their house points. Here are the results.

- Class ____ collected the **most** house points.
- Class ____ collected the **fewest** house points.
- How many points did Class 2 and Class 3 collected altogether? Write the number sentence.

_____ + _____ = _____
- How many fewer points did Class 5 collect than Class 1? _____



2. Here is a tally chart to show the hair colour of the children in a class.

Complete the pictogram using the tally chart and the key.

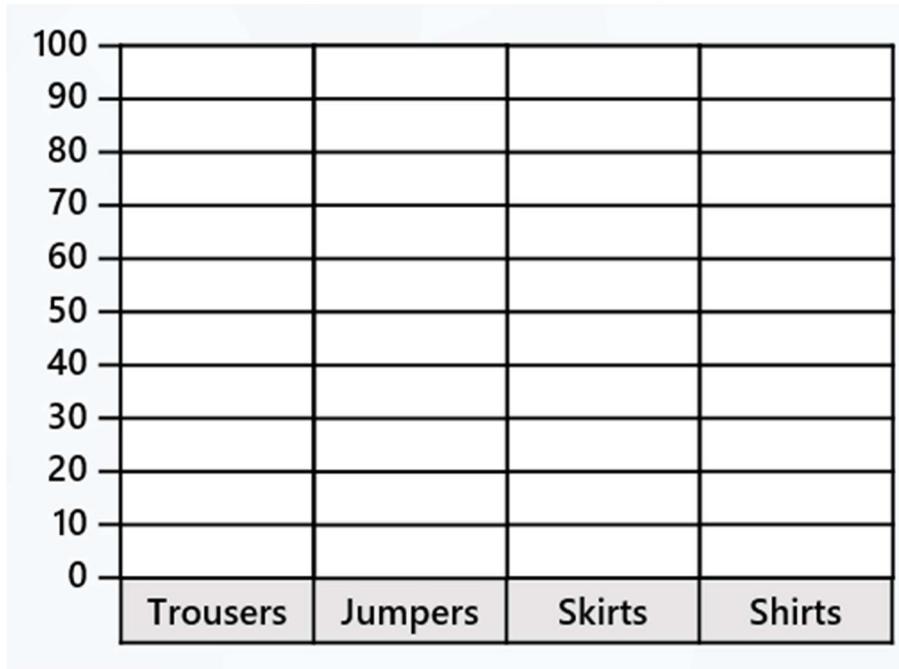
Tick and answer the questions that can be answered using the information in the tally chart and pictogram.

- How many children have brown hair?
- How many children have a dog as a pet?
- How many fewer children have ginger hair than blonde hair?

Hair colour	Tally	Hair colour	
Black		Black	
Brown		Brown	
Ginger		Ginger	
Blonde		Blonde	

KEY: ● = 5

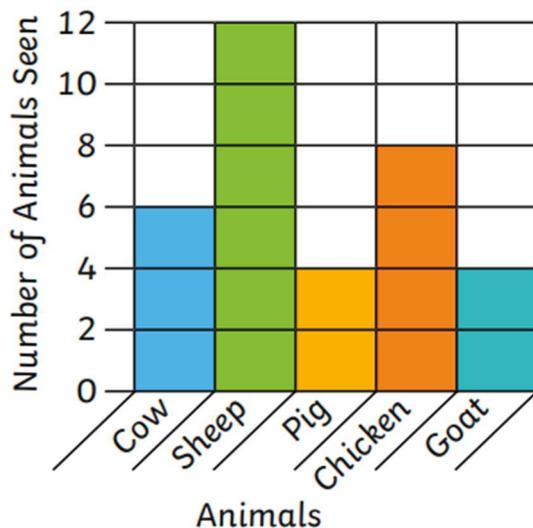
3. The table below shows the number of each item sold in a uniform shop.
Create a block diagram to show this information.



20 fewer jumpers were sold than trousers

Item	Number sold
Trousers	90
Jumpers	
Skirts	50
Shirts	70

4. Class A went to a 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.



Animal	Number
Cow	
Sheep	
Pig	
Chicken	
Goat	

a. Which is the most common animal they saw? _____

b. Class A saw _____ chickens.

c. How many fewer cows than sheep did they see? _____

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

How do you know? _____



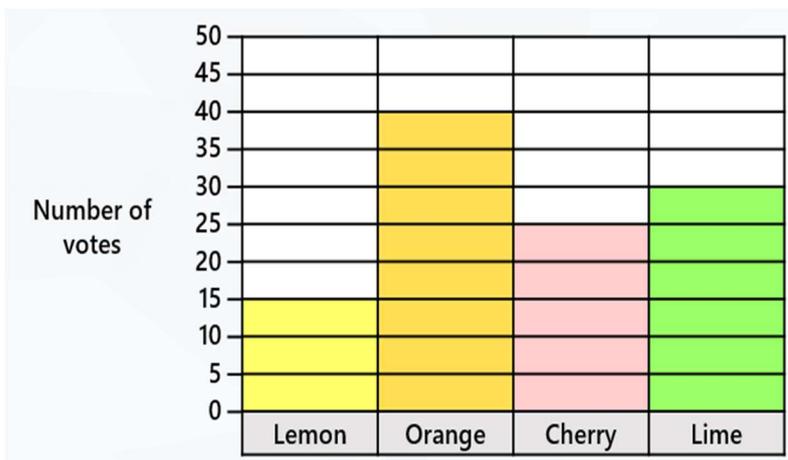
Challenge Questions

1. Here is a pictogram which shows the number of books in a book level. Spot the mistake and explain your answer.

KEY: $\triangle = 5$

Colour		Total
Red	$\triangle \triangle \triangle \triangle \triangle$	25
Blue	$\triangle \triangle \triangle \triangle \triangle \triangle$	30
Green	$\triangle \triangle \triangle$	15
Pink	$\triangle \triangle \triangle \triangle$	4

2. Here is a block diagram showing the favourite fizzy drink flavour voted for by the children at Barnett Wood.



a. Which flavour got the most votes?

b. Cherry got _____ fewer votes than lime.

c. Which flavour had 10 more votes than lemon? _____

d. Write your own question that can be answered by the above block diagram.