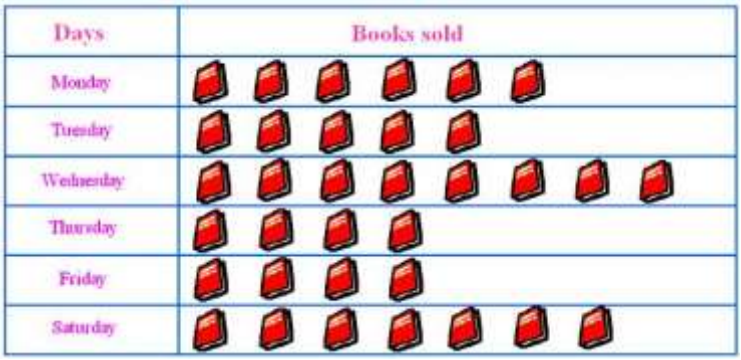
Year 3 Maths Tasks – Wednesday 8th July 2020 - ANSWERS

Parents and Children: Hello everyone. I hope you enjoyed the money work yesterday. Today we look further at statistical information that we can interpret and show with graphs.

All of the questions are solvable using the skills you have learned this year.

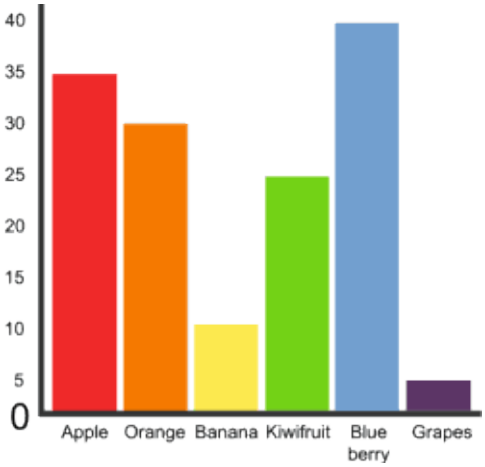
A The pictogram below shows how many books were sold on each day of a given week. Study the pictogram and then answer the questions.



a How many books were sold altogether during the week? 34 books
b Why do you think most books might be sold on Wednesday? Answers will vary (eg Perhaps the shop is open longer on a Wednesday.)
c How many books were sold between Tuesday and Thursday? 17 books
d How many fewer books were sold on Friday than were sold on Monday? 2 books

If every picture of a book in the pictogram above represented 2 books sold, answer questions **a, c** and **d** again.
a 68 books
c 34 books
d 4 books

B Study the bar chart below

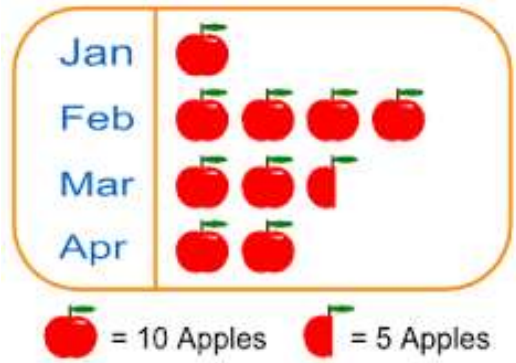


This bar graph shows pupils' favourite fruit in Key Stage 2 in a school.
a How many children favoured blueberries? 40 children
b How many children favoured grapes? 5 children
c Explain why it is good to set out information in this way. By having a scaled y axis it is easy to show large quantities. Also, by colouring the bars in the colours of the fruit it is easier to see which column relates to what fruit which aids doing comparisons.
d How many more children favoured apples than favoured kiwi fruit? 10 children

e Use the graph above to complete the grid below.

	Apple	Orange	Banana	Kiwifruit	Blueberry	Grape
Number of children	35	30	10	25	40	5

C This pictogram shows the average number of apples eaten by a family during the first four months of the year.



Study the pictogram carefully and answer the questions below.
a On average, how many apples were eaten in March? 25 apples
b On average, how many more apples were eaten in February compared with January? 30 apples
c On average, what is the total number of apples eaten in the first four months of the year? 95 apples
d On average, how many fewer apples were eaten in April compared with February? 20 apples
e If the number of apples eaten on average in February and April were halved, how many apples on average would be eaten in total? 55 apples
f Create four questions you could ask about this pictogram. Answers will vary
examples:
On average, how many fewer apples were eaten in the first two months of the year compared to the third and fourth months?
On average, what was the total number of apples eaten in the first quarter of the year?
The more vowels there are in the name of the month, then the more apples are eaten. True or False?
If the number of apples represented by a picture of an apple were doubled, what would be the total number of apples eaten on average by the family?

D Now it's time to collect your own data!
a Collect information on the number of **items of furniture** that are in each room of your house. (You may wish to use a tally chart to record your information)
Remember this is your data so if you decide an item doesn't qualify as furniture then that is fine.

b Once you have collected your data**, show the information as a bar chart.**

Use a ruler to draw your chart and be accurate with your drawing of the bars against the axes. Remember, your numbered axis starts at zero.

Answers will vary. Please check for neatness and accuracy.