





Bar Charts Worksheet



Starter

1. The table shows pupils favourite subject in year 7. Complete the missing information in the pictogram.

Favourite Subject	Pictogram	Frequency
Maths		
English		
Science		
Art		12
PE		14

Key:  = 4 people

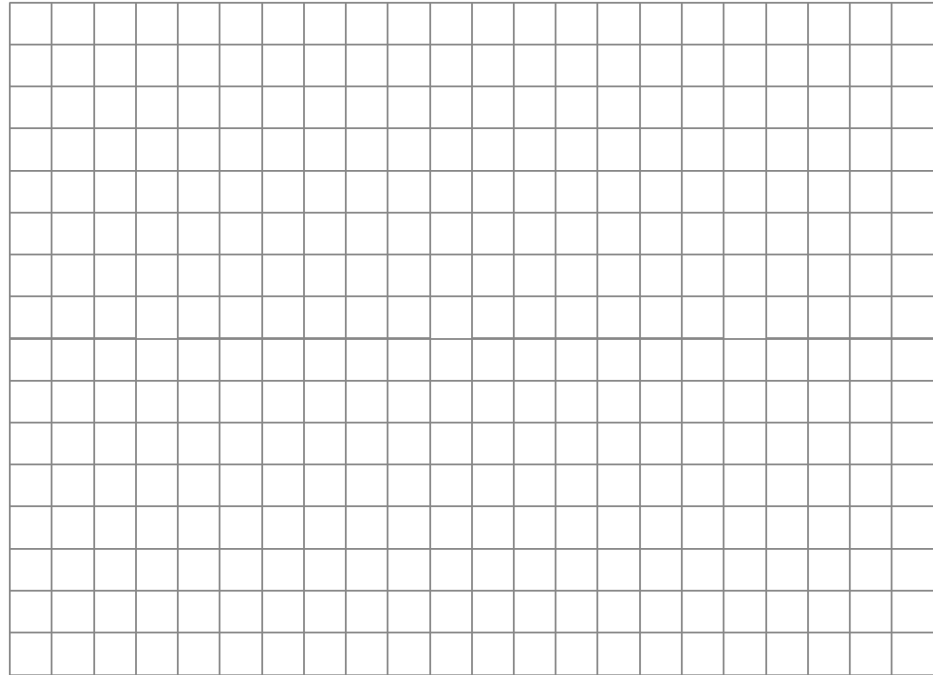
2. The table shows pupils favourite pet animal in year 7. Complete the missing information in the tally chart.

Favourite Animal	Tally	Frequency
Dog		
Cat		
Rabbit		4
Hamster		13
Other		6

Pivot Questions:

Eg1. Using starter question one:

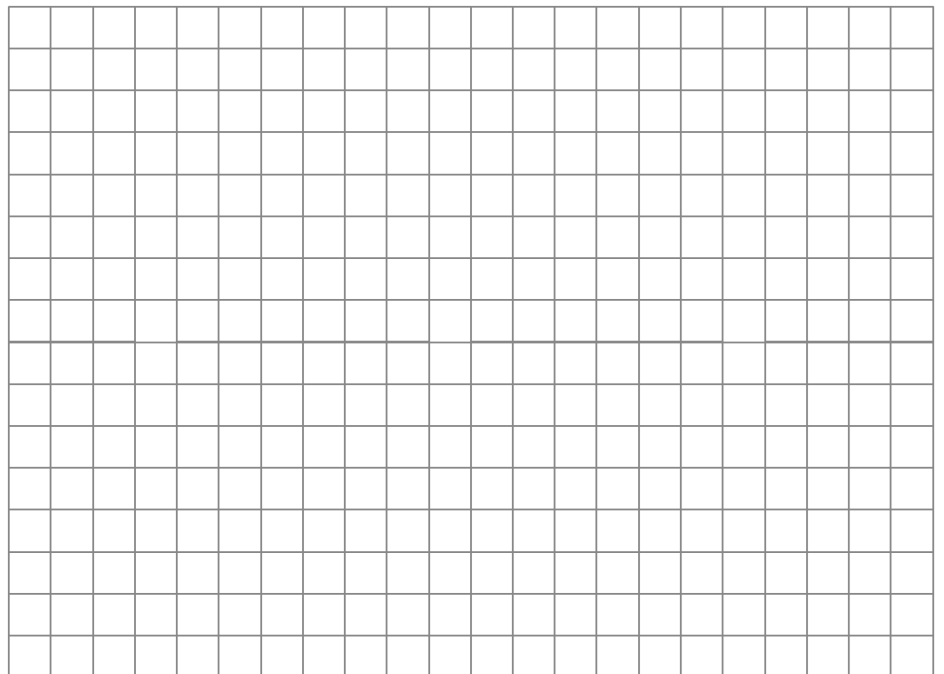
- Draw a bar chart.
- Which subject was most popular?
- Work out the difference between PE and History.



Eg2. The information in the table shows the sports boys and girls in year 7 enjoy the most.

Fav. Sport	Football	Netball	Basketball	Tennis	Other
Boys	8	2	5	3	2
Girls	3	10	2	4	3

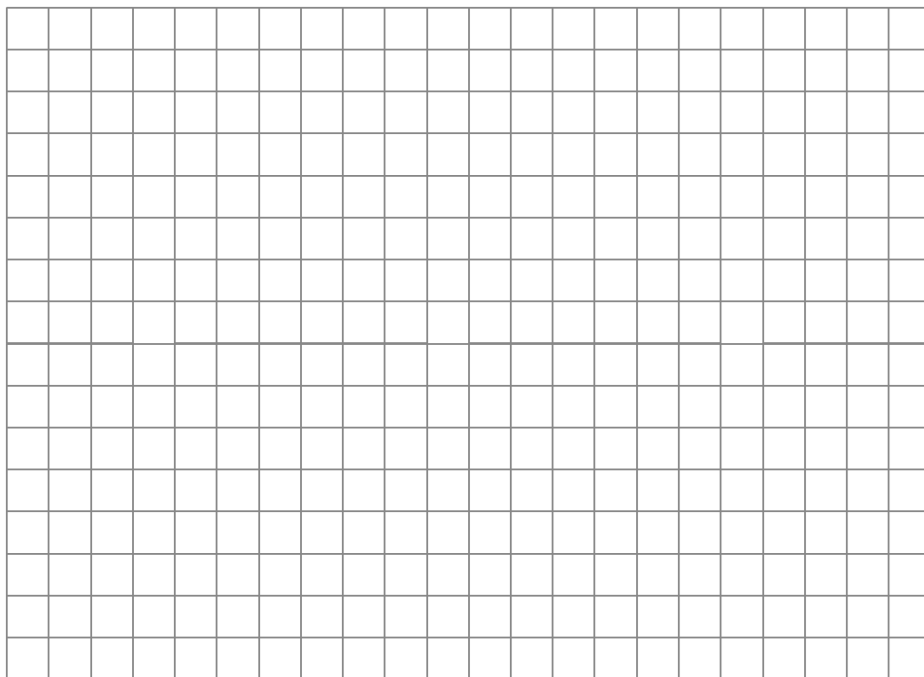
- Draw a bar chart.
- Using the bar chart, work out the difference between the boy's favourite sport and the girl's favourite sport.



Eg3. The table shows where people get their news from.

Age	TV	Newspapers	Internet	Social Media	Other
10 - 20	2	0	5	7	1
21 – 40	3	2	6	3	2
41 +	5	5	2	2	2

- Draw a bar chart.
- Where do most people like to get there news from?



Fluency Questions

- The table shows pupils favourite pet animal in year 7.

Animal	Dog	Cat	Rabbit	Hamster	Other
Frequency	7	10	4	13	6

- Draw a suitable bar chart for the data.
 - Write down the most popular pet animal.
 - Work out the total number of pupils.
- Kitty and George sell cars. The table shows the number of cars sold by Kitty and George in the first five months of 2017.

Month	January	February	March	April	May
Frequency	10	3	12	8	5
George	6	7	15	8	1

- Draw a suitable bar chart for the data.
 - What month did Kitty and George sell the same number of cars?
 - Which months did Kitty out sell George?
- Pupils were asked what their favourite type of social media was. The table shows the data found.

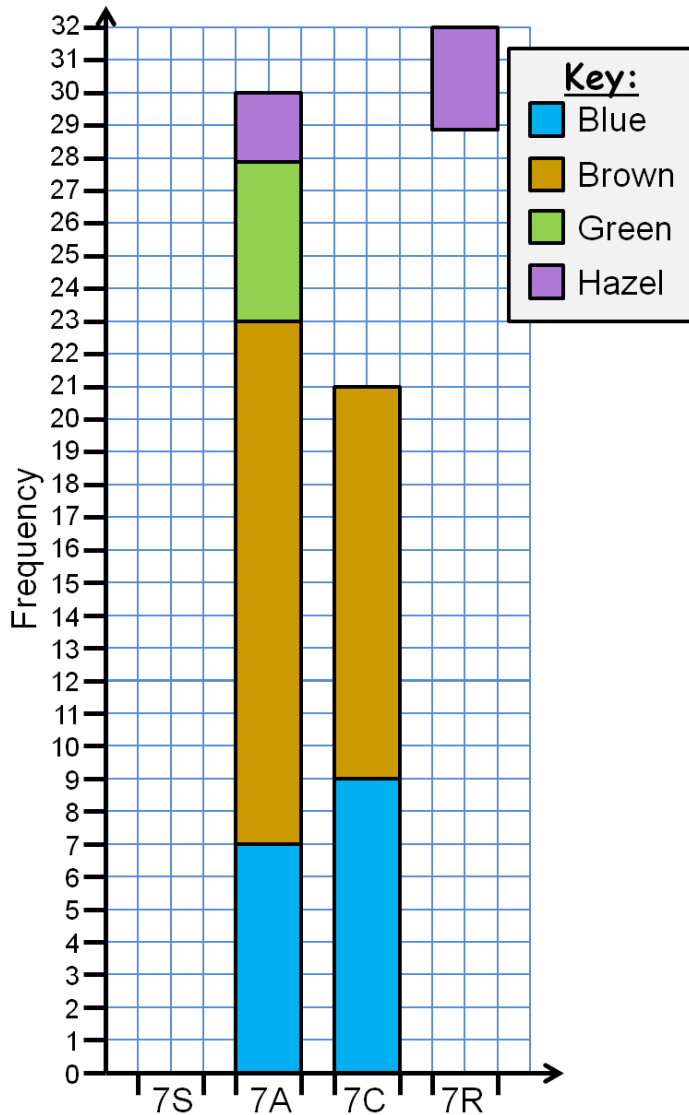
Month	Facebook	Twitter	Instagram	Snapchat	Other
Year 7	5	1	3	1	3
Year 8	3	4	6	10	1
Year 9	8	5	7	6	2

- Draw a suitable bar chart for the data.
- What social media platform is the most popular?

Mastery

1. The table and compound bar chart shows the eye colour of pupils in four different year 7 classes. Complete the missing information in both the table and the bar compound bar chart.

	7S	7A	7C	7R
Blue	8			9
Brown	15			14
Green	4		4	6
Hazel	3		4	



2. When would you use a **comparative bar chart**?

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Give an example...

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3. When will you use a **compound bar chart**?

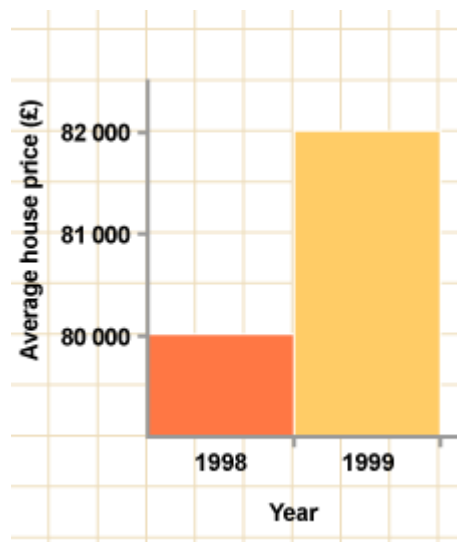
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Give an example...

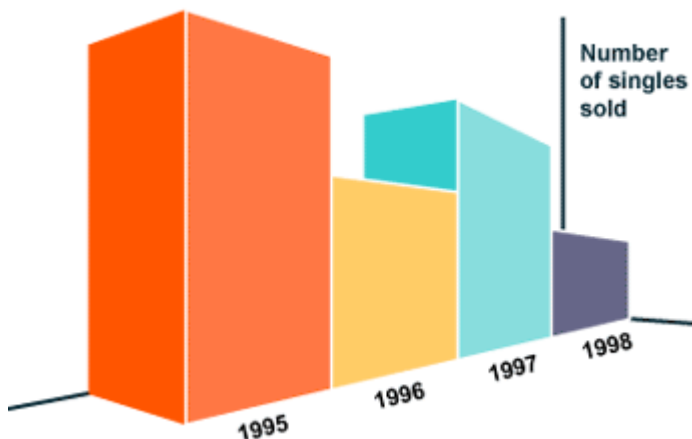
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4. Write down what is wrong with each bar chart.

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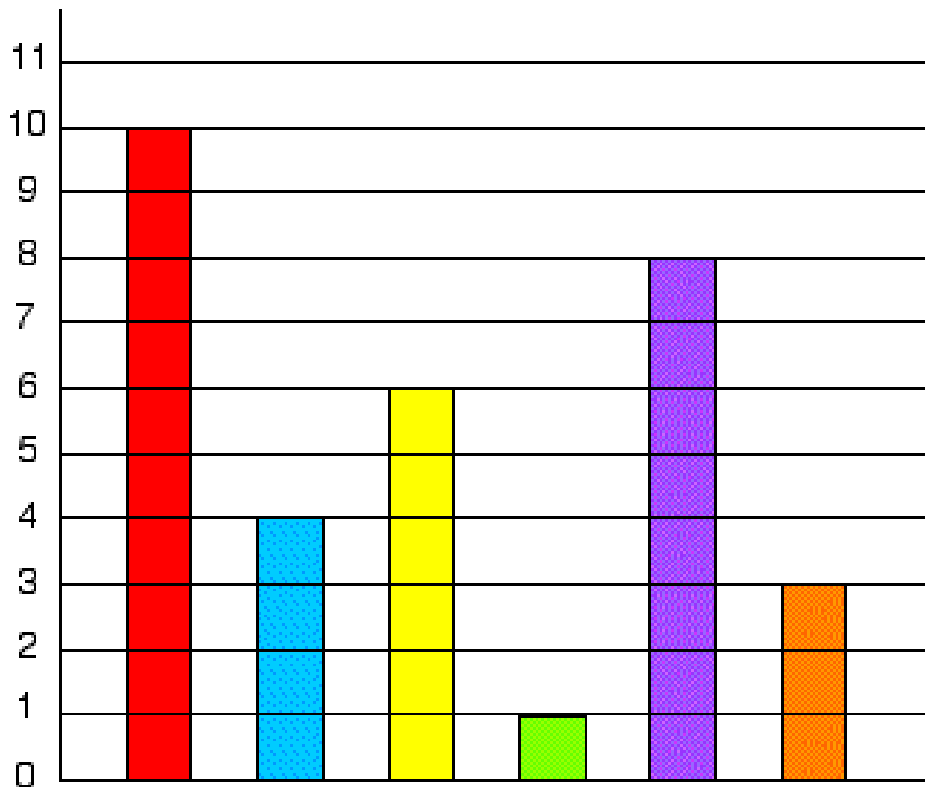
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Key Question

Tim's class collected information about all their pets. They have six different kinds of pets between them.

This is the block graph they are making to show how many of each pet the class has altogether.



The children have not yet put in the animal names under each column. Can you do this for them using the information below?

There are two less cats than dogs.

Only one child has a parrot at home.

The number of fish added to the number of gerbils is equal to the number of dogs.

There are twice as many fish as hamsters.

There are half the number of gerbils as there are cats.