

30.06.2020

Maths

Good morning Longboats, how are you today?

Starter (from *White Rose Maths*)

A sequence is made up of three 2-digit numbers.

The sequence increases by eight each time. These are the digits that make up the three numbers.



Work out the numbers in the sequence.

Main Activity

Today, we're going to think about the features of bar charts. You will first need to match this key vocabulary to its definitions. You can either cut and stick these if you have scissors and glue or you can draw lines between them, either is fine!

x axis	This is the difference between the lowest and highest numbers that you use
y axis	This is the way you show each category's amount.
title	This means how big each jump on your y axis is – does it count ones, twos, fives or tens?
range	The horizontal line along the bottom of the bar chart – this is where the categories are labelled.
bar	The long heading at the top that explains exactly what information is contained within your bar chart.
scale	This is the vertical line up the side of the bar chart. This is where the numbers go

Giving a bar chart a title is trickier than it sounds! It's almost like the first sentence of a newspaper article – you have to tell the audience a lot of specific information

- **What** did you count?
- **Where** did you count it?
- **What** was it doing?

Can you write a good bar chart title for each of these ideas? I've done the first two for you to start you off.

What I did	Bar chart title
I stood by the school gate and counted everything that went passed for ten minutes	<i>A bar chart to show the number of vehicles and pedestrians travelling on Janeway street</i>
I walked around Tesco Surrey Quays and counted the colours of everything that was parked	<i>A bar chart to show the colours of vehicles parked in Surrey Quays shopping centre car park.</i>
I sat in the park by the bandstand and counted all the pigeons, blackbirds, robins and ducks that I saw.	
I went through the cupboard and counted how many of different kinds of tin there were (peaches, baked beans, custard and so on)	
I scrolled through all the TV shows I'm watching on Netflix and counted the different genres (comedy, drama, science-fiction, cartoon and so on)	

Okay, now it's time to think about your own bar chart. Look back at your tally chart from yesterday. We're going to plan the bar charts today and draw them tomorrow because I want them to be really accurate and not to miss anything out. That's why the last box on this table says "done!" You can tick it like a success criteria when you've done it on your actual bar chart.

Question	My plan	Done!
What are the categories for my x axis?		

What am I going to label my x axis?		
What am I going to label my y axis?		
What will the range of my y axis be? (highest number)		
What will the scale of my y axis be? (what am I counting up in)		
Bar chart title		
Y axis label		