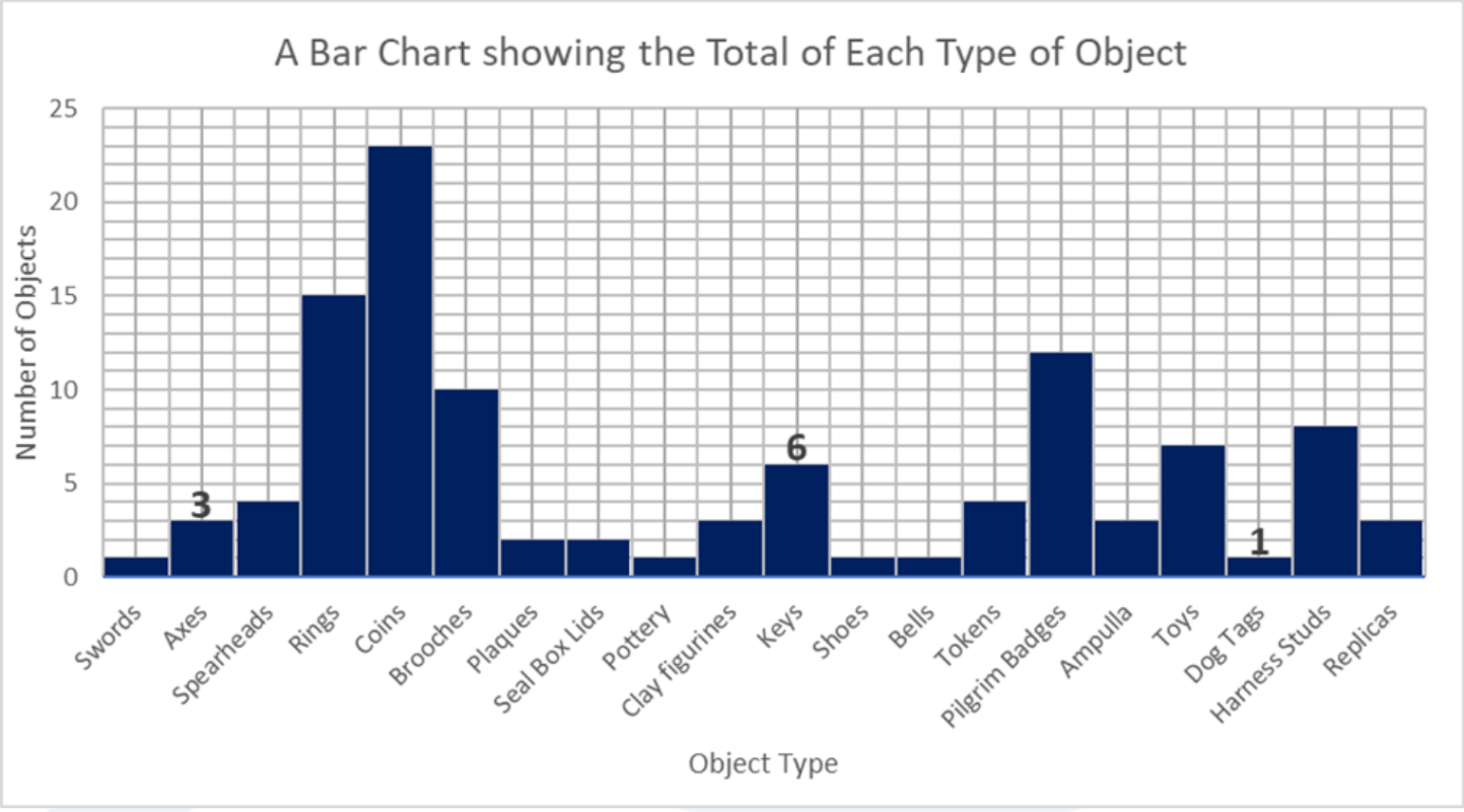
Maths Activity: Data & Charts

When divers like Bob and Gary find things in the river, it's important for all the objects to be recorded so that they can be researched. Complete the activities below to learn about what kinds of data we might need about the artefacts.



Can you fill in the totals for each on the bar chart above? A few of them have been done for you.

For an extra challenge, can you represent these totals as percentages? There are 110 objects overall. Good luck!

Now look at the table of data below. Using the grids provided, create a bar chart which shows the number of objects based on their condition. Don't forget to write a title, then number and label your axes. Then, create a second bar chart which shows the number of objects based on their possible reason for being thrown in the river.

Object Type	Date	Condition	Reason for being deposited
Axe Head	900-800 BC	Fair	Offering
Fish Brooch	100-200 AD	Fair	Offering
Shoe	200-300 AD	Poor/Fair	Offering
Pilgrim Badge	1500 AD	Fair/Good	Wish (good luck/protection)
Pottery	43-400 AD	Fair	Offering
Ring (with goat)	100-300 AD	Fair/Good	Emotional
Toy Horse	1600 AD	Fair/Good	Accident
Lead Plaque	200-400 AD	Fair	Offering
Sword (replica)	2023 AD	Excellent	Offering

For an extra challenge, try plotting a line graph using the data given below! Don't forget to join up your points.

Century	Number of Objects
10th century BC	7
2nd century BC	1
1st century BC	2
1st-4th centuries AD	56
6th century AD	2
13th century AD	1
16th century AD	6
17th century AD	7
18th century AD	4
19th century AD	19
20th century AD	4
21st century AD	1

Your line graph will show the change in the number of objects throughout the different time periods.

What do BC and AD stand for? Do you remember what they mean?

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