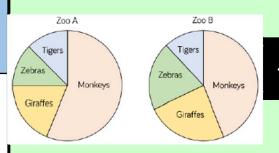
Year 8 Mathematics Learning Journey: Unit 18 - The Data Handling Cycle

Step 11: Identify misleading graphs

What information should you check on a graph to ensure the data is not misleading? Step 10: Compare distributions using charts

"There are fewer monkeys in Zoo B than Zoo A". Do you agree?



Step 9: Find and interpret the range

Does a large range mean the data is more spread out or less spread out?

Step 5 (R): Draw and interpret pie charts

What type of data would you represent in a pie chart?

Step 6: Draw and interpret line graphs

Does the line graph have to start at 0? How can you show that your axis has not started from 0?

Step 7: Choose appropriate diagram

Which chart best shows comparison?

Step 8: Grouped quantitative data

Why do we leave a space between the bars on a bar chart. but don't on a frequency diagram?

Step 4: Multiple bar charts

Why do multiple bar charts need a key?

Step 3 (R): Pictograms, bar and line charts

How are a line chart and bar chart the same? How are they different?

Step 2: Design and criticise questionnaires

Do you think a name should be included on a questionnaire? What influence might this have? Step 1: Set up a statistical enquiry

"Boys can run further than girls." Design a data collection sheet that would help to collect the data needed to test this hypothesis.

I Achievement I resilience





