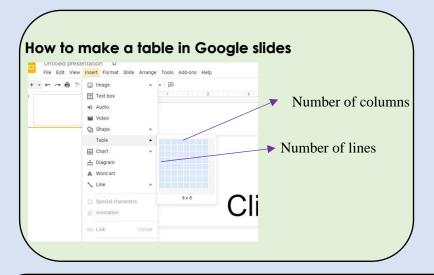
Mathematics Short Course Module 2A Knowledge organiser

What you need to know:



How to work out what percentage of your money you spend on different categories

$$P\% = \frac{x}{y} \times 100$$

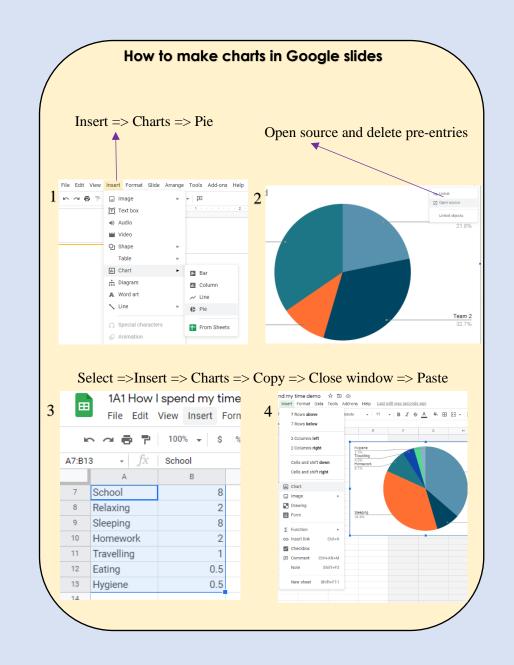
$$x - \text{the amount you spend on a category}$$

$$y - \text{the total amount of money you spend in a week}$$

Reviewing your work

For each challenge you have completed, tick off the skills you used:

- Learning did you learn anything new?
- **Teamwork** did you work in a team or did someone help you to complete your work?
- Coping with Problems was this difficult at first, but you managed it in the end?
- **Use of IT** did you use any technology?
- Use of English did you read, write, spoke about or listened to anything?
- **Use of Maths** did you use your numeracy skills?



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Vocabulary

Weekly spending – the amount of money one spends over seven days

Monthly spending – the amount of money one spends over a month

Offer – a deal made by a seller to attract customers, by offering cheaper prices or larger quantities

Investigate – carry out a research or a study into a subject or problem **Mobile phone deal** – paying a single monthly fee for a fixed period of time in exchange for mobile phone services

Report – giving a spoken or written account of something that one has observed, heard, done, or investigated

Wages – a fixed regular payment earned for work or services, typically paid on a daily or weekly basis

Benefits - an advantage or profit gained from something

Tips for a good discussion:

- Create notes for your discussion by writing point you would like to make or things you would like to say;
- Listen carefully to the ideas presented by others;
- Ask and answer questions;
- Express your opinion with arguments;
- Remember to be polite;
- Use positive and open body language;
- Try to get everyone involved in the discussion;
- Further develop points made by others.

You need to be able to:

- Keep a record of how you spend your money for a week. Use these calculations to work out your monthly spending;
- Suggest ways you could save money;
- Visit a supermarket and record the prices of 10 different items that are sold in two or more sizes;
- Work out the price per item, kilogram or litre and investigate how offers influence the prices;
- Investigate which is the best mobile phone deal for you, considering what you use your phone for;
- Find two jobs that you would like to apply for and compare the wages and other benefits offered;
- Have a discussion with your class to find out which are the best paid jobs.

Things to consider when searching for jobs:

- What distance are you willing to travel to your future job?
- What wages are you looking for?
- What are the benefits offered?
 - o Holiday, private medical insurance, pension fund
- What are the working hours required?
- Is there an additional pay for overtime?