

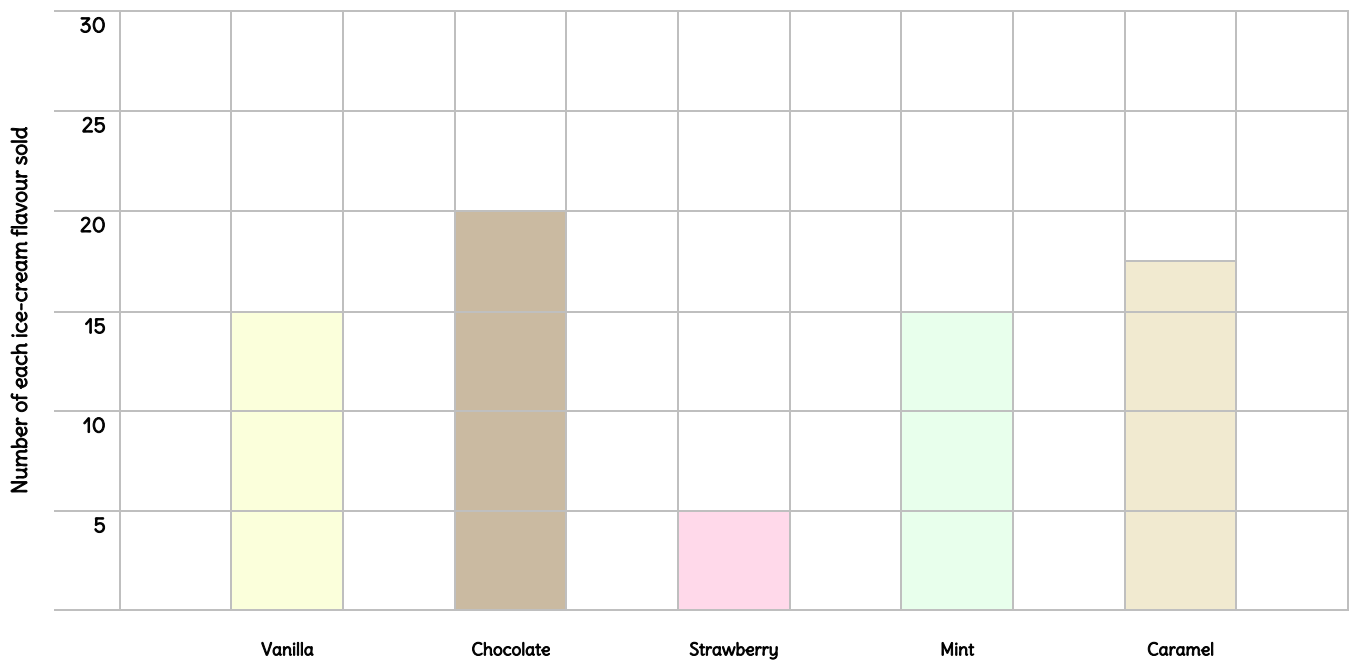
Isla's Ice-cream

Isla's local community is running a market and they have asked Isla to run a stall to get people to come. Isla is thinking that she would like to run an ice-cream stall, but she wants to get some data first to see if people would be interested in buying ice-cream. She also thinks it would be a good idea to get some information about what people like, to help her decide what she would include. She thinks maybe a survey would be helpful, but needs some help in thinking about what questions she should ask.

First... Create a survey with 5 questions that you think Isla could ask in a survey to help her get information that she needs to make decisions about her ice cream shop.

Think about possible answers people might give, and how many options you could give them. Write down or show how you would record the information you could get from this survey (e.g., tables, tallies, graphs)

Isla also decides to visit to her local ice-cream shop and collect some data about which ice-flavours are most popular. The graph below shows what she found out. Based on this information, what could Isla learn that could help her make decisions about her own ice-cream stall?



Next... Give her 3 recommendations of what you think she should include in her stall, based on the information from the graph.

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Isla also needs to think about the prices she will charge, and how many options she will give people. How much is reasonable cost that people would be willing to pay? What should the different prices be depending on whether people want a cone or a cup, one scoop or two scoops? Should she provide toppings and charge extra for those?

Isla decides to offer:

How many scoops	What it's in	Toppings
1 scoop	Cone	Chocolate Sauce
2 scoops	Cup	No toppings

How many different ice-cream combinations could people end up choosing from?
E.g., one combination could be 2 scoops, in a cone, no toppings.

Now... Show all of the different combinations that could be made using these options. Think about a task you have done before that is similar, and how you showed all the different ways.

Finally... Decide on a price that you think would be reasonable to charge for each option. You might need to do some of your own research to come up with prices that you think are reasonable.

Choose three combinations and work out what the cost for each of them would be.

And if you still want more to keep you busy after completing all of this work...

As an extra **fun activity**, you might choose to make up your own ice-cream shop menu! List all the choices, prices, and flavours. Give your ice-cream shop a name. Make sure that you make your menu appealing. You can draw it in your book or on a piece of paper and use colour and decoration. You might choose to make it digitally in Word or PowerPoint, or any other ways you can think of. Have fun with it!