

Year 7.1

03-02-2021

Data and Information.

# RECAP

## Quick Calculations -Intro Quiz

1. In a Spreadsheet how would you write a formula for 4 x 3?

- A) 4\*3
- B) =4\*3
- C) =4/3

2. In a Spreadsheet how would you write a formula for 179 + 56?

- A) =179+56
- B) 179+56
- C) 56+179

3. In a Spreadsheet how would you write a formula for 764 divided by 4?

- A) =764%4
- B) =764\*4
- C) =764/4

[https://classroom.thenational.academy/lessons/collecting-data-6rrp8t?activity=intro\\_quiz&step=1](https://classroom.thenational.academy/lessons/collecting-data-6rrp8t?activity=intro_quiz&step=1)

4. In the image shown has a auto fill been used for column D?

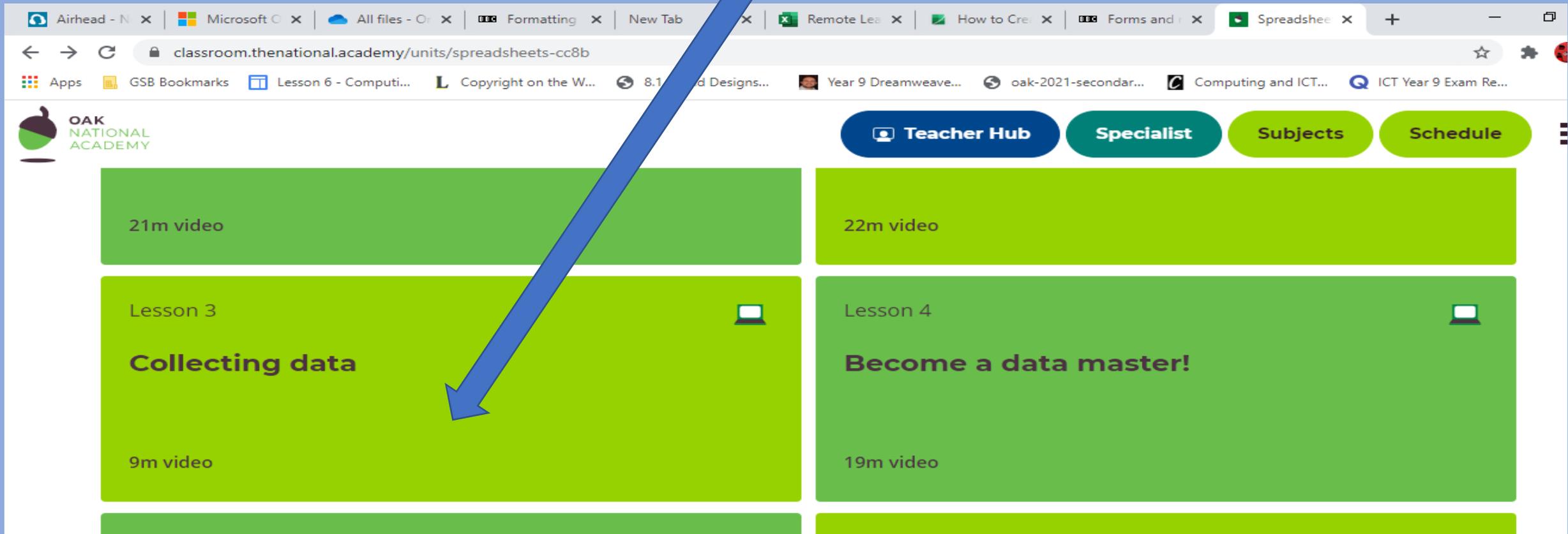
- Yes
- No

	A	B	C	D
1	Ingredient	Measurements	Quantity	Two times
2	Chocolate chip muffins			
3	Eggs		2	4
4	Vegetable oil	ml	125	250
5	Semi-skimmed r	ml	250	500
6	Caster sugar	g	250	500
7	Flour	g	400	800
8	Baking powder	tsp	3	6
9	Salt	tsp	1	2
10	Chocolate chips	g	100	200

# GETTING TO KNOW EXCEL

Follow the link below to Oak National Academy and complete lesson 2

<https://classroom.thenational.academy/lessons/collecting-data-6rrp8t>



The screenshot shows a web browser window with the URL [classroom.thenational.academy/units/spreadsheets-cc8b](https://classroom.thenational.academy/units/spreadsheets-cc8b). The page features the Oak National Academy logo and navigation buttons for 'Teacher Hub', 'Specialist', 'Subjects', and 'Schedule'. A grid of lesson cards is displayed, with a blue arrow pointing to the card for 'Lesson 3: Collecting data'. This card includes a '21m video' at the top, the title 'Lesson 3 Collecting data', and a '9m video' at the bottom. Other visible cards include 'Lesson 4: Become a data master!' with a '22m video' and '19m video'.

Learning objectives:

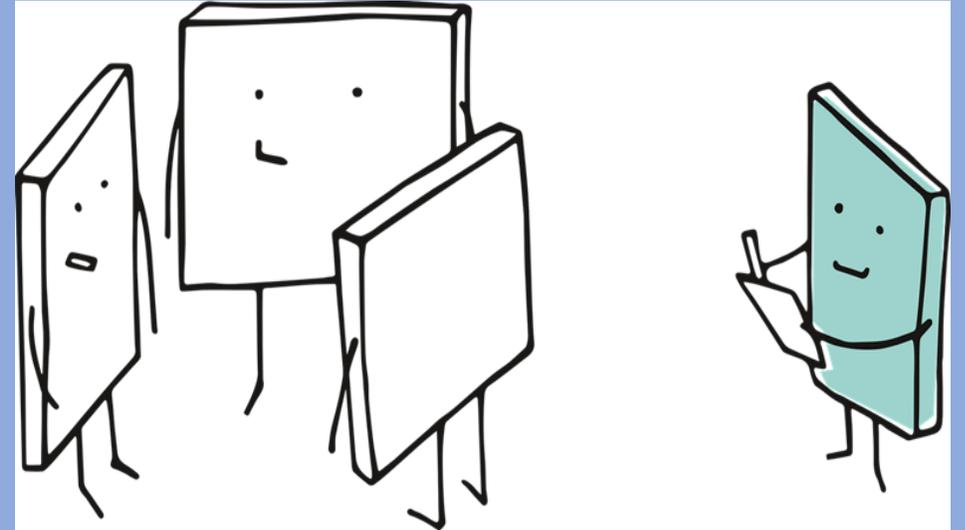
To explain the difference between data and information.

Explain the difference between primary and secondary sources

To understand how to use simple formulae to perform calculations in spreadsheet.

# Collecting data for your survey

- A survey is a primary source therefore you can collect data by asking questions or interviewing people.
- In Task 1 you are to create a survey using the survey data shown in the table.
- You will collect data from three people and record their answers on the survey you have created.



Source: Pixabay

# Task 1 Creating a survey to

	A	B	C	D	E
1					
2					
3					
4		<b>Survey questions</b>	<b>Person 1 answer</b>	<b>Person 2 answer</b>	<b>Person 3 answer</b>
5		Your firstname?			
6		Your age?			
7		Favourite colour?			
8		How many siblings do you have?			
9					
10					
11					
12					

Credit: Google Sheets screenshot: Halima Bhayat

# Task 2

## Budget for a Class Party

WK 6

Imagine we are going to have a class party. For that party we will need food and drink.

### FOOD

- ? 4 loaves of bread @ 77p each
- ? 2 packets of butter @ 72p each
- ? 2 tins of tuna @ 65p each
- ? 2 packets of ham @ 1.28 each
- ? 3 packs of sausages @ 99p each
- ? 2 packs of 10 crisps @ 85p each
- ? 4 packs of Pringles @ 1.05 each

### DRINK

- ? 2 bottles of coke @ 1.36 each
- ? 1 bottle of lemonade @ 1.20
- ? 3 cartons of orange juice @ 1.30 each
- ? 2 bottles of orange squash @ 89p each.

Task 1 Set this up as a spread sheet in Excel.

Food	Packs/Bottles needed	Price for 1 pack/bottle	Total cost
bread	4	0.77	= 4* 77
butter	2	0.72	= 2* 72

### Task 3

Find the total cost for each item

(Remember the formula =b3\*2)

At the end find the total cost of the party.

### Task 4

Can you also find out how much each person would have to pay if we had the party? Our class has 25 children.

### Extension

Make your spreadsheet look good

1. use bold, italic or underline
2. Put text where you wish in the cells.
3. Change the colour of cells and text within them.

# Plenary

Learning objectives:

To explain the difference between data and information.

Explain the difference between primary and secondary sources

To understand how to use simple formulae to perform calculations in spreadsheet.

What have you done to achieved the learning objective today?

Explain how you have done it, type in the chat box how you did it?