

Subject	Year	Term	KO#	Title
Computing	7	Spr 1	3	Modelling Data using Spreadsheets

Year 7

Modelling data using spreadsheets



Year 7 Unit 4 – Spreadsheets



“The global economy is built on two things: the internal combustion engine and Microsoft Excel. Never forget this.”
— Kevin Hector

RANK	GRADE	DISPLAY NAME	VIDEOS	SUBSCRIBERS	VIEWS
1	A++	T-Series	13,694	107,566,269	78,644,221,095
2	A+	PewDiePie	3,916	98,676,231	22,632,253,697
3	A+	5-Minute Crafts	3,412	59,337,958	15,069,859,766
4	A++	Cocomelon - Nursery Rhymes	446	53,793,367	34,214,512,261
5	A++	SET India	31,919	52,967,189	37,433,981,397
6	A+	Canal KondZilla	1,120	50,884,733	25,678,754,466
7	A+	WWE	42,676	46,883,085	34,561,137,762
8	B+	Justin Bieber	134	46,084,462	626,754,957
9	A	Dude Perfect	210	44,338,231	8,504,715,831
10	A+	Badabun	4,485	41,558,212	13,534,926,318
11	A+	Zee Music Company	4,140	41,381,422	18,994,562,165
12	A+	Ed Sheeran	151	41,210,557	17,609,857,376
13	B+	HolaSoyGerman.	137	39,620,014	3,981,831,901
14	B	EminemMusic	117	38,524,091	729,125,080
15	A	Marshmello	334	37,477,864	6,633,512,712

	Number 1	Times	Number 2	Answer
	2	*	1	2
	2	*	2	4
	2	*	3	6
	2	*	4	8
	2	*	5	10
		*	6	12
		*	7	14
		*	8	16
		*	9	18
		*	10	20
		*	11	22
		*	12	24



Spreadsheets might not sound exciting at first, but think of them as your very **own data superpower**. These magical grids can help you organize everything you can imagine! You can track your video game scores, allowance, and even sports team stats. It's like being a data detective, and you don't need a cape for it. You can ditch those boring manual calculations because spreadsheets can do the math for you. With **formulas and functions**, you'll have **math magic at your fingertips**.

Do you ever dream of having more control over your allowance? Want to plan your savings for that awesome gadget you've had your eye on? Spreadsheets can make money management a breeze. Create budgets, set goals, and watch your savings grow. Plus, if you're a gamer, spreadsheets can help you keep track of levels, in-game items, and even high scores. Your gaming experience just got a whole lot cooler!

What's even cooler is that the skills you learn with spreadsheets today will be **incredibly handy as you grow up**. When it's time to find that dream job, many cool careers require spreadsheet expertise. So, while you're having fun with data and numbers now, you're also building skills for a fantastic future. Spreadsheets can be the ultimate friendship builder, the science sleuth's toolkit, and a canvas for your inner artist, all rolled into one. So, start your adventure with spreadsheets and become a data superhero! 🖥️🚀

At the end of this unit you will be able to confidently model data with a spreadsheet. You will also perform **simulation experiments** in order to filter and manipulate data.

Skills you will be practicing from previous units:

- Understanding of reading tables



Year 7 Unit 4 – Spreadsheets



Your Keywords

Spreadsheet	A spreadsheet is a computer program that can be used to display and manipulate data arranged in rows and columns.
Spreadsheet Model	A spreadsheet model is a real-life scenario or problem that can be represented / simulated using spreadsheet software.
Cell	A cell is a small rectangular area formed where the rows and column of the spreadsheet intersect. Cells are used to hold a piece of data required by the spreadsheet.
Active cell	This is the cell that you are currently working on, where data / values can be added to or formula can be written.
Cell reference / cell name	A cell reference refers to a cell (or a range of cells) on a spreadsheet.
Data	A single piece of information. The information could be the cost / name / date / quantity / etc. of something
Formula	An expression telling the computer what mathematical operation to perform upon a specific value.
Function	Functions are ready-made formulas that perform calculations on selected data e.g. SUM, COUNTA, MAX and MIN.
IF function	The IF function allows you to make <i>logical comparisons</i> between two or more values; this allows you to get the spreadsheet to do more than one thing in each cell
Chart	A visual representation of data. Charts are used to show how data fits together or how different pieces of information may relate.
Conditional formatting	Conditional formatting is a feature that lets you make your data look different based on specific rules you set, like changing cell colours in a spreadsheet if a test score is below a certain value.

How do you reference a cell in a spreadsheet?

Write a formula to sum the values in cells A1 to A5.

How do you apply conditional formatting to highlight cells greater than 50?

What is the difference between data and information?

How do you sort data in a spreadsheet?



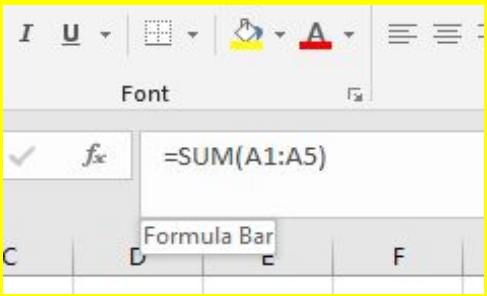
Key knowledge

How do you reference a cell in a spreadsheet?

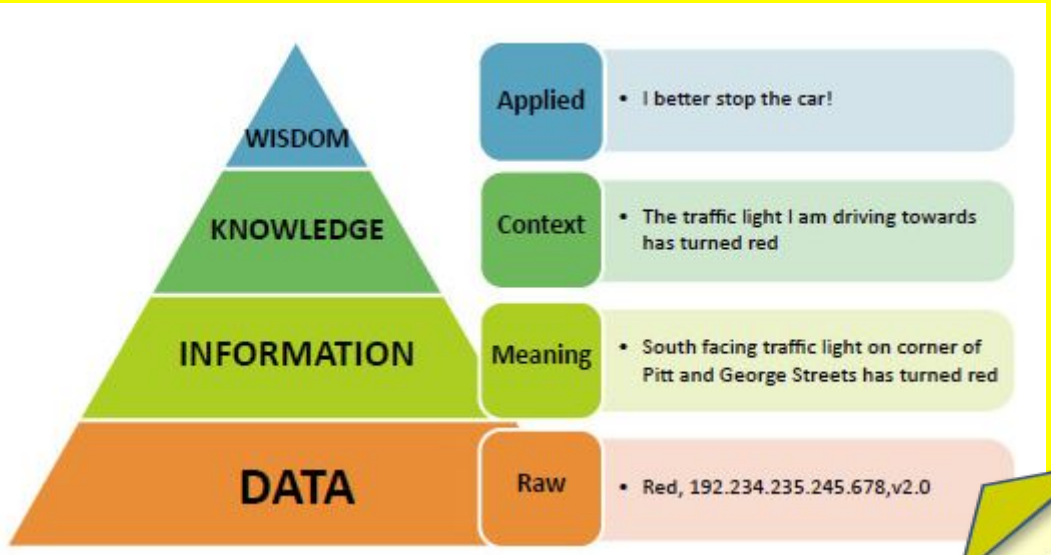
This is cell C4

	A	B	C	D
1				
2				
3				
4				
5				
6				

How do you write a formula to sum cells a1 to a5?



How do you reference a cell in a spreadsheet?



How do you apply conditional formatting to highlight cells greater than 50?

1. Conditional Formatting

2. Highlight Cells Rules

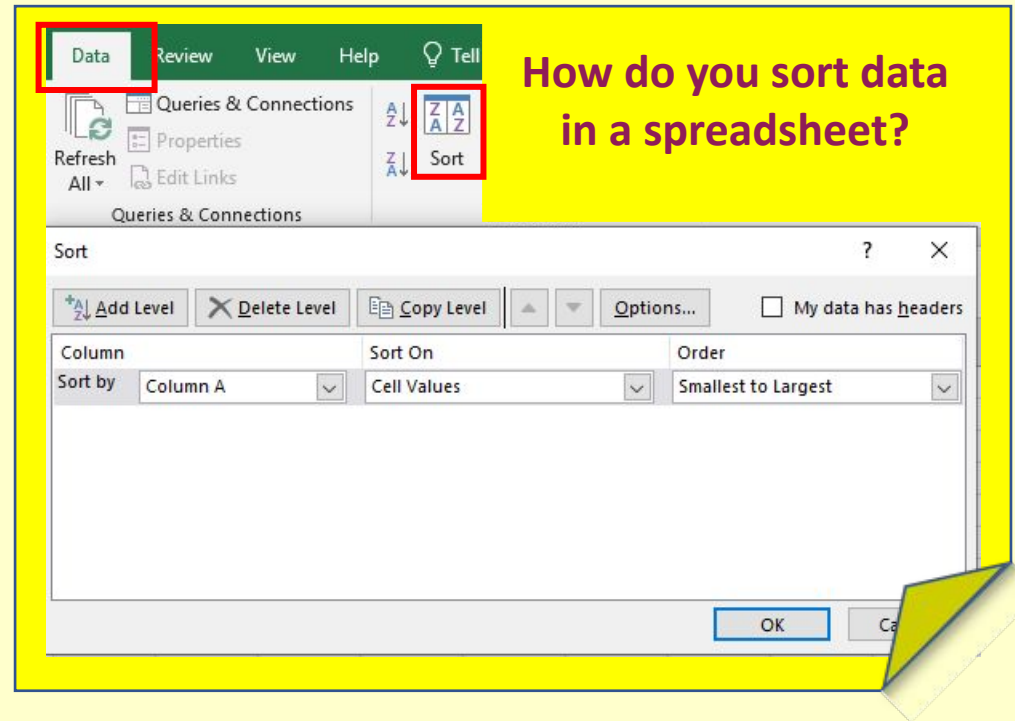
3. Greater Than...

4. Greater Than dialog box: Format cells that are GREATER THAN: 50 with Light Red Fill with Dark Red Text



Key knowledge

How do you sort data in a spreadsheet?



The image shows a screenshot of the Microsoft Excel interface. The 'Data' tab is selected in the ribbon, and the 'Sort' button is highlighted with a red box. Below the ribbon, the 'Sort' dialog box is open, showing the following settings:

Column	Sort On	Order
Sort by: Column A	Cell Values	Smallest to Largest

The dialog box also includes buttons for 'Add Level', 'Delete Level', and 'Copy Level', an 'Options...' button, and a checkbox for 'My data has headers'. The 'OK' button is visible at the bottom right of the dialog box.

Print the results of your first attempt of the Spreadsheet quiz below:



Please paste screenshots of your cake recipe and party models below.

See examples:

Ingredient	Quantity	Double	Triple	Half	Party ingredients!	8 people
Chocolate chip muffins					Item	Quantity Cost
3 Eggs	2	4	6	1	Soft drink (2L bottle)	1.50 1 1.50
4 Vegetable oil	ml 125	250	375	62.5	Bag of jellies	0.97 0 0.00
5 Semi-skimmed milk	ml 250	500	750	125	Crisps multipack (6 per pack)	1.50 2 3.00
6 Caster sugar	g 250	500	750	125	Pack of biscuits/wafer bars	1.00 1 1.00
7 Flour	g 400	800	1200	200	Funszie bars (14 per bag)	2.80 0 0.00
8 Baking powder	tsp 3	6	9	1.5	Paper plates (pack of 25)	0.99 0 0.00
9 Salt	tsp 1	2	3	0.5	Cups (pack of 50)	0.99 1 0.99
10 Chocolate chips	g 100	200	300	50	Balloons (pack of 10)	1.00 1 1.00
11					Balloons (pack of 50)	2.00 0 0.00
Blueberry muffins					Total cost	7.49
13 Flour	g 275	550	825	137.5	Budget available	8.00
14 Baking powder	tsp 2	4	6	1	Money leftover	0.51
15 Caster sugar	g 125	250	375	62.5		
16 Butter, melted	g 75	150	225	37.5		
17 Eggs, beaten		2	4	6		
18 Milk	ml 300	600	900	150		
19 Blueberries	g 125	250	375	62.5		
20						
Cupcakes						
22 Self-raising flour	g 125	250	375	62.5		
23 Margarine	g 125	250	375	62.5		
24 Caster sugar	g 125	250	375	62.5		
25 Eggs		2	4	6		
26 Butter	g 125	250	375	62.5		
27 Icing sugar	g 225	450	675	112.5		
28						
Chocolate cake						
30 Self-raising flour	g 150	300	450	75		
31 Plain chocolate	g 75	150	225	37.5		
32 Honey	tbs 2	4	6	1		
33 Butter	g 125	250	375	62.5		



Print the results of your second attempt of the Spreadsheet quiz below:



Subject	Year	Term	KO#	Title
Computing	7	Spr 2	4	Programming Essentials in Scratch pt2

Year 7

Programming essentials part 2



Year 7 Unit 5 – Programming Essentials - part 2

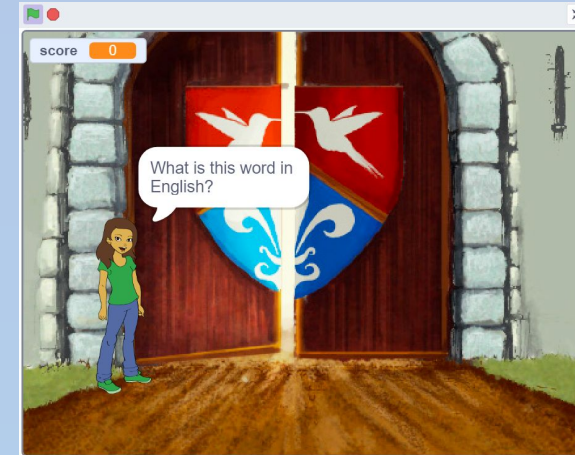


Programming is your passport to a world of endless creativity and problem-solving. It's like being the author of the digital era, where you can build games, apps, and tools that impact people's lives.

Beyond the **thrill of coding**, it's a launchpad to future opportunities. Whether you aspire to create ground-breaking games, design cutting-edge websites, or explore the frontiers of artificial intelligence and robotics, programming equips you to shape the tech landscape.

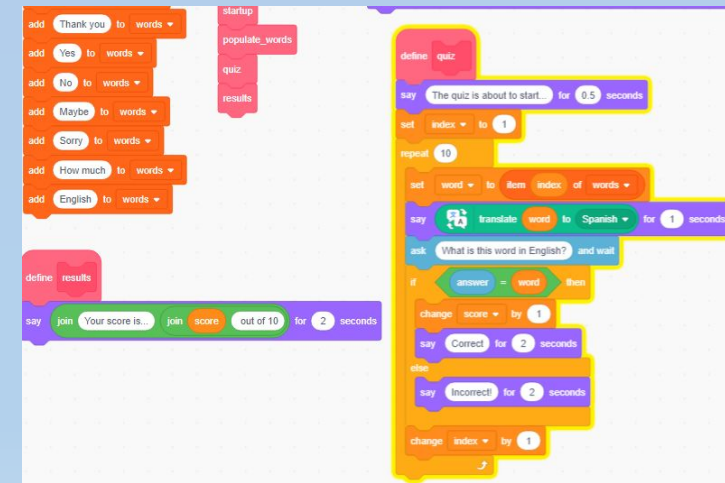
Programming is your gateway to becoming a digital architect, influencing and moulding the future, one code at a time.

An example of what you will produce by the end of the unit



At the end of this unit you will know how to:

- Understand how computers use lists
- Use decomposition to solve problems
- Use subroutines to break your problems into smaller more manageable chunks



Year 7 Unit 5 – Programming Essentials - part 2



“Programming is how you get computers to solve problems”

Your Keywords

Program	A program is like a list of instructions you give to a computer to make it do different things, like playing a game or showing pictures on a screen.
Iteration	in computing is the process of repeatedly executing instructions
List	a collection of related elements that are referred to by a single name
Condition controlled iteration	Condition-controlled iteration will execute the commands until the condition you set is no longer being met. Example: “Write out lines until 4pm”
Count controlled iteration	Count-controlled iteration will execute the commands a set number of times Example: “Write out lines 100 times”
decomposition	Break down problems into small manageable chunks.
Sub-routine	A mini program within a program. Subroutines are called from the main program

How do you create a subroutine in Scratch?

What is condition-controlled iteration?

How would you break down a larger problem into smaller parts?

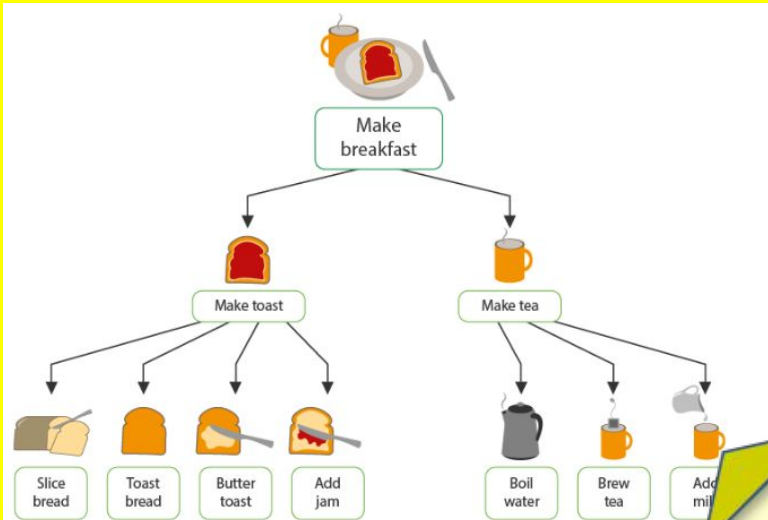
What is a subroutine?

How do you create a list in Scratch?



Key knowledge

Decomposition: Break down problems into small manageable chunks.



How to make a list.

```
Variables | Make a List | New list name: Shopping |
```

```
when clicked | ask "What should I get from ASDA?" and wait | add answer to Shopping
```

```
My Blocks | My Blocks | Make a Block | Jump
```

```
define Jump | when space key pressed | Jump | change y by 50 | wait 1 seconds | change y by -50
```

How to make a subroutine.



Name:

Paste your stage here

Paste your code here





Subject	Year	Term	KO#	Title
Computing	7	Sum 1	5	Clear Messaging

Year 7

Clear messaging



Year 7 Unit 5 – Clear messaging



Clear messaging in digital media is crucial in today's tech-driven world. This unit builds on learners' primary school skills, teaching them to create compelling digital content using various software applications.

Real-world applications include creating marketing materials, designing user-friendly websites, and developing strong brand identities. Learners practice planning layouts, choosing images, and combining text and graphics, which are essential for effective communication. They also learn to search for and evaluate digital content, ensuring credibility.

Collaborative tools and feedback mechanisms prepare them for teamwork in academic and professional settings. These skills equip learners to make a meaningful impact through digital media, shaping information sharing in the digital age.

At the end of this unit you will know how to:

- Create digital posters and presentations with clear messages.
- Develop and modify branding elements like logos and styles.
- Evaluate and use digital content responsibly.

An example of what you will produce by the end of the unit



Clear messaging



“Programming is how you get computers to solve problems”

Your Keywords

Digital Media	Electronic media that work on digital codes, including the internet, digital video, and social media.
Poster	A large printed picture or notice used for advertising or decoration.
Branding	The process of creating a unique image and name for a product in the consumers' mind.
Logo	A symbol or design adopted by an organization to identify its products.
Layout	The way in which text or pictures are set out on a page.
Content	Information made available by a website or other electronic medium.
Annotation	A note of explanation or comment added to a text or diagram.
Search Terms	Words or phrases used to find specific content on the web.

How do you create a poster using Canva?

What is an example of a search term?

How do we plan to use colours?

What makes a good logo?

What are annotations?

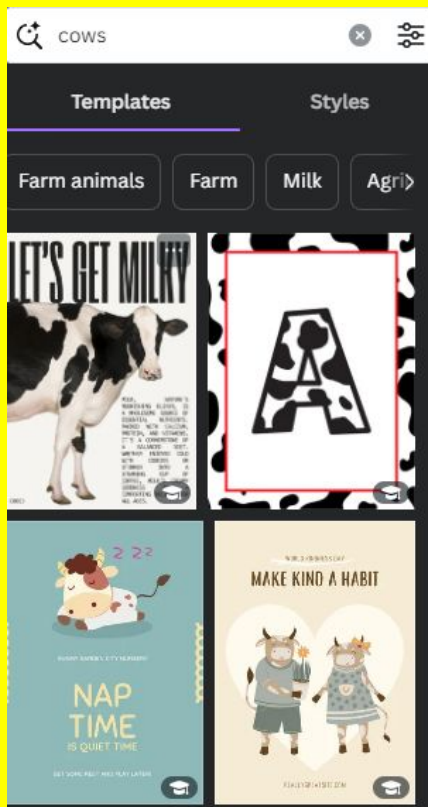
How to create a poster in Canva.

<https://www.canva.com>

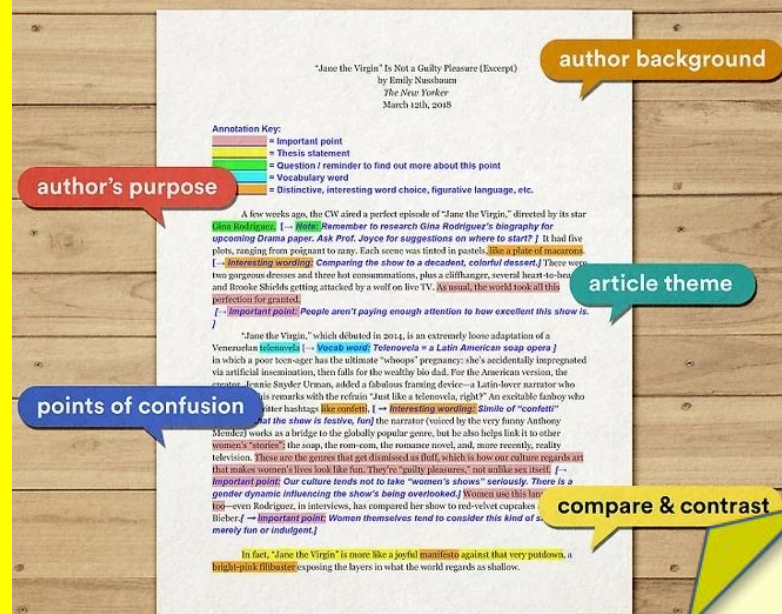
Create a design

Poster (Portrait - 42 × 59.4 cm)

Templates

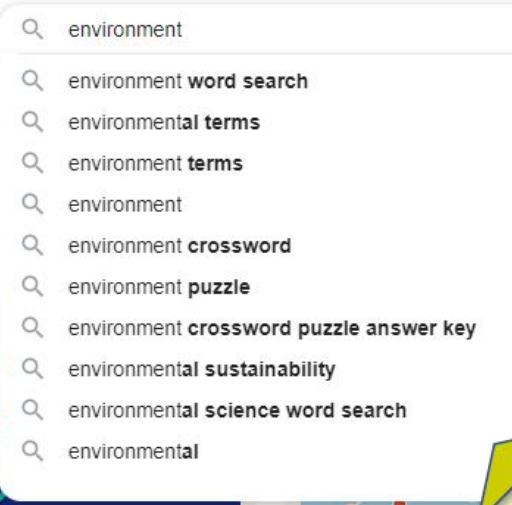


Example search annotations.



Key knowledge

Example search terms.



What makes a good logo.



Plan colours with a palette



Name:

Add your presentation below.



Subject	Year	Term	KO#	Title
Computing	7	Sum 2	6	Murder on a Mountain

Year 7

Murder on a mountain



Year 7 Unit 6 – Databases – Murder on the mountains

Databases are important because they help **store, find,** and **manage** lots of information easily. Businesses use them to keep track of customer details, manage stock, and handle sales, making things more accurate and efficient. In healthcare, databases keep patient records and treatment histories, which helps doctors give better care.

Scientists use databases to store and analyse their research data. Governments use them to keep public records like census data and tax information, which helps in making decisions. Everyday activities like using social media, shopping online, and searching the internet rely on databases to quickly organise and deliver information. Basically, databases support many important applications and services in our daily lives.

At the end of this unit you will know how to:

- Understand how databases can be used
- Sort, filter and search databases

Example of Database

ID	Date	First Name	Last Name	Car Licence	Home Town	Local Phone	Home Phone	Departure	Return	Hair Colour	Boat Size	Climb Time
1	15/05/2001	Harry	Lima	COU-866	Wenatchee, WA	221-6501	586-2241	10:55:00	19:20:00	blonde	8	10
2	15/05/2001	Irving	Clippie	CHD-304	Houston, TX	947-2823	596-2553	08:20:00	19:05:00	black	8	8
3	15/05/2001	Glance	Oldman	KCV-836	Walla Walla, WA	847-8853	586-8112	07:55:00	18:35:00	red	5.5	10
4	15/05/2001	Eidie	Hengle	OKV-239	Orange, CA	921-8026	586-1133	07:55:00	18:35:00	brown	6	10
5	15/05/2001	William	Lee	CIE-861	Olympia, WA	993-7218	586-2345	10:50:00	20:55:00	brown	9.5	10
6	15/05/2001	Arnold	Schmidt	VNZ-008	Olympia, WA	826-9937	586-9249	09:30:00	19:30:00	black	8	8
7	15/05/2001	Rick	Hunthausen	VNO-867	Olympia, WA	881-9459	586-2198	09:30:00	18:00:00	red	7	8
8	15/05/2001	Samuel	Reaper	ZPO-912	Seattle, WA	984-2448	586-9249	08:05:00	18:00:00	blonde	5.5	8
9	15/05/2001	Samuel	Reaper	ZPO-912	Seattle, WA	984-2448	586-9249	08:05:00	18:00:00	blonde	5.5	8
10	15/05/2001	Ida	Eldorado	MNO-986	Seattle, WA	881-9459	586-2198	09:30:00	19:30:00	black	8	8
11	15/05/2001	Ida	Eldorado	MNO-986	Seattle, WA	881-9459	586-2198	09:30:00	19:30:00	black	8	8
12	16/05/2001	Benjamin	Wants	CDB-460	Redmond, WA	984-2448	586-9249	08:05:00	18:00:00	red	5	8
13	16/05/2001	Kavir	Dipter	MCP-919	Everett, WA	504-6668	586-2219	08:05:00	18:00:00	blonde	9.5	8
14	16/05/2001	Sally	Williams	ZQR-643	Tacoma, WA	987-3427	586-9237	08:10:00	19:05:00	red	6.5	8
15	16/05/2001	Jim	Kettleton	LLP-990	Bremerton, WA	557-8823	586-8235	09:20:00	18:00:00	blonde	9.5	8
16	16/05/2001	Jim	Kettleton	LLP-990	Bremerton, WA	557-8823	586-8235	09:20:00	18:00:00	blonde	9.5	8
17	17/05/2001	Ruth	Stone	CBW-966	Seattle, WA	534-9976	586-8443	10:05:00	19:05:00	red	6.5	8
18	17/05/2001	Alexandra	Carp	XJZ-175	New York, NY	923-8459	586-7238	10:00:00	19:30:00	black	10	8
19	17/05/2001	Hosea	Wyde	ZPR-756	Boston, MA	233-8430	586-2130	10:35:00	18:50:00	blonde	8.5	7
20	18/05/2001	Harry	Polytropolis	COU-824	Cleveland, OH	242-8708	586-2776	09:55:00	18:20:00	black	7.5	8
21	18/05/2001	Harry	Vine	COU-824	Cedar Falls, WA	253-7471	10:05:00	18:45:00	black	5.5	8	
22	18/05/2001	Harry	Vine	COU-824	Cedar Falls, WA	253-7471	10:05:00	18:45:00	black	5.5	8	
23	18/05/2001	Vince	Apple	CHD-304	Wenatchee, WA	886-3421	586-2133	08:35:00	16:50:00	red	6.5	8
24	18/05/2001	Vince	Apple	CHD-304	Wenatchee, WA	886-3421	586-2133	08:35:00	16:50:00	red	6.5	8
25	18/05/2001	Elbe	Youngman	KCV-836	Houston, TX	847-2623	586-2653	09:20:00	19:20:00	red	5	8
26	18/05/2001	Elbe	Youngman	KCV-836	Houston, TX	847-2623	586-2653	09:20:00	19:20:00	red	5	8
27	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
28	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
29	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
30	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
31	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
32	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
33	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
34	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
35	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
36	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
37	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
38	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
39	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
40	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
41	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
42	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
43	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
44	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
45	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
46	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
47	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
48	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
49	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
50	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
51	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
52	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
53	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
54	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
55	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
56	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
57	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
58	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
59	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
60	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
61	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
62	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
63	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
64	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
65	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
66	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
67	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
68	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
69	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
70	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
71	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
72	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
73	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
74	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
75	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
76	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
77	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
78	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
79	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
80	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
81	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
82	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
83	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
84	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
85	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
86	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
87	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
88	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
89	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
90	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-8853	586-8112	10:55:00	19:05:00	brown	7	10
91	18/05/2001	Tuesday	Lang	OKV-239	Walla Walla, WA	771-						

Year 7 Unit 6 – Databases – Murder on the mountains

Your Keywords

Database	A collection of organized information that is easy to use and update..
Table	A structure in a database that arranges data into rows and columns, like a spreadsheet.
Record	A single row in a database table that holds all the information about one item or person.
Field	A single column in a database table that holds a specific type of information for every record.
Primary Key	A unique identifier for a record in a table, ensuring no two records are the same.
Query	A way to ask the database to find and show specific information using set criteria.
Data Type	The kind of data that can be stored in a field, such as text, number, date, or currency.
Data	Information that can be stored in a database, like your name, age or what you like to do online.

What is a database?

How do you filter a field?

How do you sort a field in descending order?

How can you quickly tell how many records there are?

What is the difference between a field and a record in a database?

"Using a database is like having a super-organized brain—it remembers everything for you and finds what you need in seconds!"

Key knowledge

A field and a record in a database?

ID	Date	First Name
1	15/05/2001	Harry
2	15/05/2001	Iving
3	15/05/2001	Glance
4	15/05/2001	Eidie
5	15/05/2001	Mondray
6	15/05/2001	William
7	15/05/2001	Arnold
8	15/05/2001	Rick
9	15/05/2001	Samuel
10	15/05/2001	Ida
11	16/05/2001	Benjamin
12	16/05/2001	Xavier
13	16/05/2001	Sally

Record

Field

How to filter a field

2 Filter

1

3

4

ID	Date	First Name	Last Name	Car
1	15/05/2001	Harry	Lime	COO
2	15/05/2001	Iving		
3	15/05/2001	Glance		
4	15/05/2001	Eidie		
5	15/05/2001	Mondray		
6	15/05/2001	William		
7	15/05/2001	Arnold		
8	15/05/2001	Rick		
9	15/05/2001	Samuel		
10	15/05/2001	Ida		
11	16/05/2001	Benjamin		
12	16/05/2001	Xavier		
13	16/05/2001	Sally		
14	16/05/2001			
15	16/05/2001			
16	17/05/2001			
17	17/05/2001			
18	17/05/2001			
19	18/05/2001			

How to quickly tell how many records there are?

Record: 1 of 75

How to sort descending.

1

2

Sort Z to A

First Name	Last Name
Harry	
Iving	
Glance	
Eidie	
Mondray	
William	
Arnold	
Rick	
Samuel	
Ida	



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