

03 – Data types

Data types

Generic data types

- Numbers – whole and decimal, positive and negative
 - 105; 3.14; -2,345; -1.7
 - Can be represented as text (“105”; “3.14”; “-2,345”; “-1.7”)
- Strings, or “Text”
 - “Sheet1”; “06489”; “B4”
 - Cannot be represented as a number (unless converted to a number)

Text representation

- How to create text
 - Format the cell as text (Ctrl+1, Number Category = Text)
 - Use apostrophe
 - Use a formula with double quotes

Format as Text -->> 06489 *fx* 06489

Apostrophe -->> 06489 *fx* '06489

Double Quote Formula -->> 06489 *fx* ="06489"

Text

\$ % ; ←.0 →.00

Number

Convert text to number

- How to convert text to a number
 - Use a math operator
 - Use the VALUE function
 - Use Paste Special, Multiply

5678 Copy 1 5678

5678 Move to C23 5678

5678 Paste 11356

1 Special Multiply 1

Esc

23	Format as Text -->>	5678	=C23*1	=VALUE(C23)
24	Format as General, Left Aligned -->>	5678	5678	5678
25	SUM -->>	5678	11356	11356
26				

Size limitations

- Single cell size limitations
 - 15 digits; subsequent digits are truncated
 - 32,767 (2^16-1) characters; subsequent characters are truncated

33	Text Value	1234567890123456	36	Text Value	1.234567890123456
34	Number	1234567890123450	37	Decimal	1.234567890123450
			38		
			39	Text Value	123456789012345.6
			40	Decimal	123456789012345.0