

Dating is Hard...

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James Tobin Consulting, LLC

Quick Tips!!!	Keyboard Combo	Results	Comments
Quick Date Inserts	Ctrl + :	9/12/2018	Non-Volatile
Quick Time Inserts	Ctrl + Shift + :	10:55 AM	Non-Volatile

For demonstration purposes, the following "Named" dates are used:

Is the Date Text?

TheDate ==>	9/30/2018	FALSE
TheDateText ==>	12/31/2001	TRUE

Parts of the "Dates". If you want to display the:

Display:	Formula	Current Application	Result	Comments
Month	=MONTH(any numeric date)	=MONTH(TheDate)	9	
Day	=DAY(any numeric date)	=DAY(TheDate)	30	
Year	=YEAR(any numeric date)	=YEAR(TheDate)	2018	
Date	=DATE(year,month,day)	=DATE(TheYear,TheMonth,TheDay)	9/30/2018	Reverse Engineered Date
Weekday	=WEEKDAY(any numeric date)	=WEEKDAY(TheDate)	1	In Excel, Weekday 1 = Sunday
Now	=NOW()	=NOW()	9/27/2018 11:01	Volatile; System Driven; Might Slow Workbook Speed
Today	=TODAY()	=TODAY()	9/27/2018	Volatile; System Driven; Might Slow Workbook Speed
End of the Month	=EOMONTH(numeric date,month-end offset)	=EOMONTH(TheDate,-4)	5/31/2018	0 = The Current Month's End
Date's value	=DATEVALUE(any text date)	=DATEVALUE(TheDateText)	37256	
Difference btwn Dates	=DAYS(end date, start date)	=DAYS(TheDate,TheDateText)	6,117	Compare to DateDif "d"
Difference btwn Dates	=DATEDIF(lesser numeric date, greater numeric date,"d" o =DATEDIF(DATEVALUE(TheDateText),TheDate,"m"))		200	"m" = Months; full months only **** Proof ****
			192	16 full years times 12 months
			8	Jan - Sep 2018
		Total	200	
	=DATEDIF(DATEVALUE(TheDateText),TheDate,"d")		6,117	"d" = Days **** Proof ****
			5,840	16 full years times 365 days
			4	2004 2008 2012 2016 Leap Years
			273	Number of days from Jan 1 thru Sep 30, 2018
		Total	6,117	
	=DATEDIF(DATEVALUE(TheDateText),TheDate,"y")		16	"y" = Year; complete years only **** Proof ****
			16	Full years from 2001 thru 2018

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Text Formatting

You can present a day/date in a text string:

Basic Formula: `====> =Text(any numeric date, "format text")` yes, in quotes...

	Text Formatting Options	Current Application	Result	Comments
For Dates: =====>	"m" = 1 or 2 numeric characters for the Month.	=TEXT(TheDate,"m")	9	
	"mm" = 2 numeric characters for the Month. January for example =TEXT(TheDate,"mm")		09	
	"mmm" = First 3 Alpha characters of the Month.	=TEXT(TheDate,"mmm")	Sep	
	"mmmm" = Full Alpha name of Month.	=TEXT(TheDate,"mmmm")	September	
	"d" = 1 or 2 digits for the Day.	=TEXT(TheDate,"d")	30	
	"dd" = 2 digits for the Day. The fourth day of the month for example =TEXT(TheDate,"dd")		30	
	"ddd" = First 3 characters of the Alpha Day of the Week. Today =TEXT(TheDate,"ddd")		Sun	
	"dddd" = Full Alpha Day of the Week. This must precede time =TEXT(TheDate,"dddd")		Sunday	
	"yy" = Last 2 digits of the Year.	=TEXT(TheDate,"y")	18	
	"yyyy" = All four digits of the Year.	=TEXT(TheDate,"yyyy")	2018	
	Fully Blown Out!!	=TEXT(TheDate,"dddd mmmm dd, yyyy")	Sunday September 30, 2018	
	Nested formulas with mixed formats!!	=For the "&MONTH(TheDate)&" Months Ending "&TEXT(TheDate,"mmmm dd, yyyy")&"."	For the 9 Months Ending September 30, 2018.	The "&" tells MSeExcel to toggle from "Text" to "Formula" or visa-versa

Custom Formatting

Custom Formats can simplify and stabilize presentations.

The drawback to the text formatting is that it requires a "helper" cell or reference. In other words, the "=Text()" formula requires a reference to another cell that contains the date.

To resolve the drawback, you can use a "Custom" format. If the cell contains a custom format, a "helper" cell is not required. Simply input the date in the presentation cell and the custom formatting will present the date according to the custom format you've created.

For example, if you wanted to ensure that the date presentation for your company's quarterly Income Statement is always correct, you'll need to create a custom format via the Format Cells dialogue box.

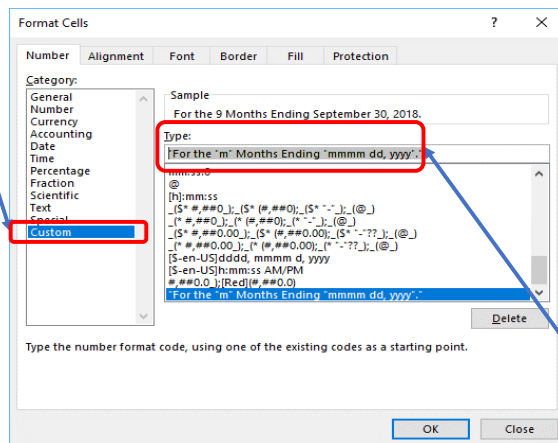
Custom Format =====> Input "9/30/2018" (sans quotes) into the cell where you'd like the date presented on the Income Stmt.

Results

For the 9 Months Ending September 30, 2018.

After inputting the date, right mouse click and open the Formatting Cells Dialogue box.

In the "Category:" section, scroll to the bottom and select "Custom".



In the "Type:" field, type the custom formatting you wish to use. The custom formatting must begin and end with double quotes. Also, each introduction of a number must begin and end with double quotes.

Hit the "OK" button to complete the creation of the custom format.