

Excel & Business Math

Video/Class Project #14

Convert Decimal To Fraction & Convert Fraction To Decimal

Topics

1) Example 1 From Video:	1
2) Examples 2-3 From Video:.....	2
3) Example 4 From Video:	3
4) Text Formulas	3
5) Page Setup for printing a range on the Excel Worksheet:	4
6) New Keyboards in this video	5

1) Example 1 From Video:

	A	B	C	D	E	F	G
1	Example 1: Convert Decimal 0.875 to a Fraction						
2							
3							
4	Decimal:	0.875		Prime Factors	875	Prime Factors	1000
5	Numerator	7		5	175	2	500
6	Demoninator	8		5	35	2	250
7	Fraction:	7/8		5	7	2	125
8				7	1	5	25
9						5	5
10						5	1

2) Examples 2-3 From Video:

	I	J	K	L	M	N
1	Example 3: Be Careful of Rounded / Display Decimals to represent the Fraction! Is 2/3 equal to .6667?					
2						
3	2/3	0.666666667				
4	0.6667	0.6667				
5	Equal	FALSE				
6						
7	Example 2: Convert Fraction to Decimal for Common Fractions					
8						
9	Formula	Formula with Fraction Format	Formula with 15 decimals showing	Formula with 3 decimals showing		
10	=1/16	1/16	0.062500000000000	0.0625		
11	=1/9	1/9	0.111111111111111	0.1111		
12	=1/8	1/8	0.125000000000000	0.1250		
13	=1/7	1/7	0.142857142857143	0.1429		
14	=1/6	1/6	0.166666666666667	0.1667		
15	=3/16	3/16	0.187500000000000	0.1875		
16	=1/5	1/5	0.200000000000000	0.2000		
17	=1/4	1/4	0.250000000000000	0.2500		
18	=5/16	5/16	0.312500000000000	0.3125		
19	=1/3	1/3	0.333333333333333	0.3333		
20	=3/8	3/8	0.375000000000000	0.3750		
21	=7/16	7/16	0.437500000000000	0.4375		
22	=1/2	1/2	0.500000000000000	0.5000		
23	=9/16	9/16	0.562500000000000	0.5625		
24	=5/8	5/8	0.625000000000000	0.6250		
25	=2/3	2/3	0.666666666666667	0.6667		
26	=11/16	11/16	0.687500000000000	0.6875		
27	=3/4	3/4	0.750000000000000	0.7500		
28	=13/16	13/16	0.812500000000000	0.8125		
29	=5/6	5/6	0.833333333333333	0.8333		
30	=7/8	7/8	0.875000000000000	0.8750		
31	=15/16	15/16	0.937500000000000	0.9375		
32	=16/16	16/16	1.000000000000000	1.0000		

3) Example 4 From Video:

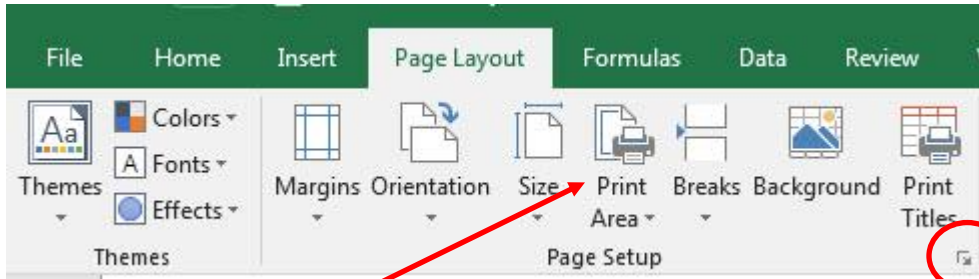
	A	B	C	D	E	F	G	H	I	
1	Create a Fraction to Decimal Conversion Table for sixteenth fractions and add Page Setup so it will print nicely.									
2										
3	Count	Fraction	Decimal		Text Formula:	Math Formula:				
4	1	1/16	0.0625		=A4&"/16"	=A4/16				
5	2	2/16	0.125							
6	3	3/16	0.1875							
7	4	4/16	0.25							
8	5	5/16	0.3125							
9	6	6/16	0.375							
10	7	7/16	0.4375							
11	8	8/16	0.5							
12	9	9/16	0.5625							
13	10	10/16	0.625							
14	11	11/16	0.6875							
15	12	12/16	0.75							
16	13	13/16	0.8125							
17	14	14/16	0.875							
18	15	15/16	0.9375							
19	16	16/16	1							

4) Text Formulas

1. Text Formulas are formula that deliver Text.
2. In order to put text into a formula, you must put it in Quotes. For example: `"/16"` are text characters that we put into our Text Formula
3. You can use the Join Symbol (Join Operator), which Ampersand, &. The join symbol joins things together in a formula.
4. Keyboard for Ampersand, &, is Shift + 7

5) Page Setup for printing a range on the Excel Worksheet:

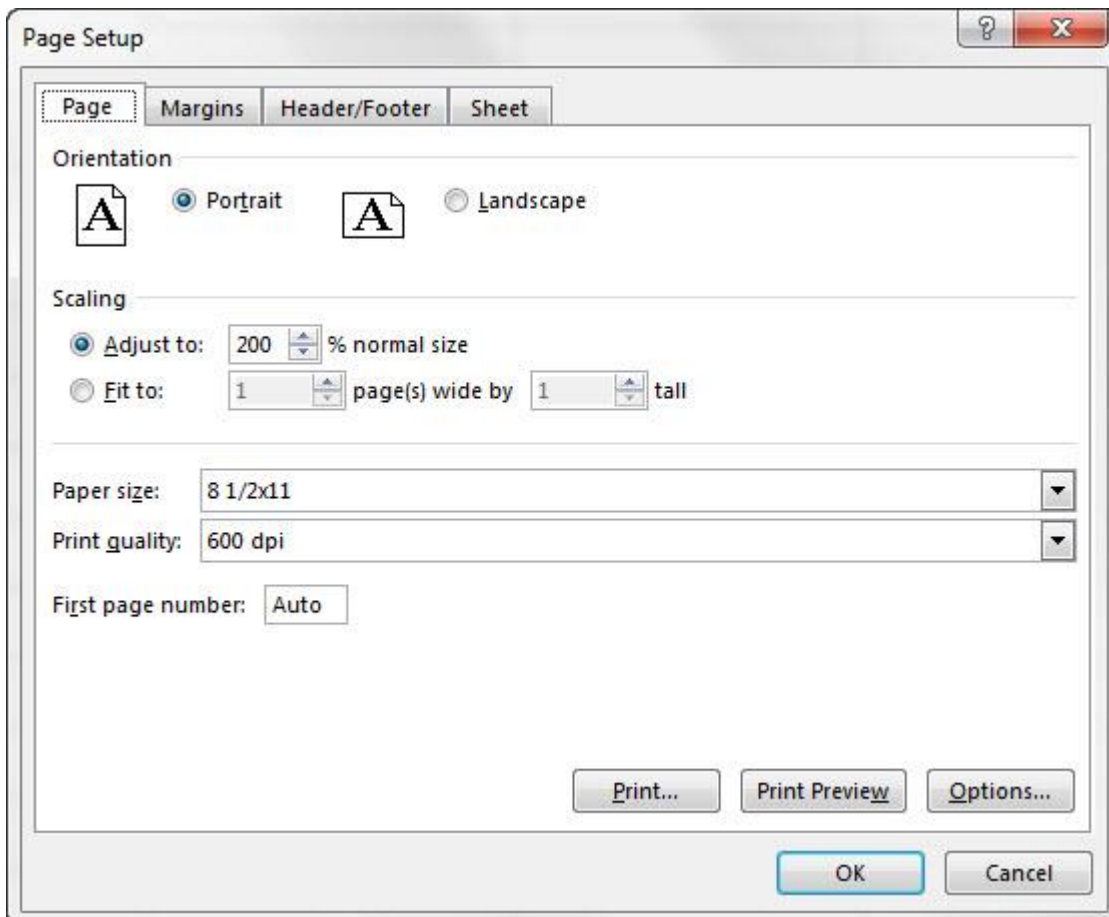
5. When we print we want to use the features in the Page Setup group in the Page Layout Ribbon Tab. Below is an example:



If we want to print out just part of the Excel Worksheet, we can highlight the range we want to print and use the Print Area option in the Page Setup group in the Page Layout Ribbon Tab.

If we want to change how the range looks when we print, we can use the Page Setup dialog launcher button in the Page Setup group in the Page Layout Ribbon Tab.

6. If we want to print out just part of the Excel Worksheet, we can highlight the range we want to print and use the Print Area option in the Page Setup group in the Page Layout Ribbon Tab.
7. If we want to change how the range looks when we print, we can use the Page Setup dialog launcher button in the Page Setup group in the Page Layout Ribbon Tab.
8. Keyboard for Print Preview and Print dialog box is Ctrl + P
9. The Page Setup Dialog Box has four Tabs as seen in the next picture:



6) New Keyboards in this video

1. Ctrl + P = Keyboard for Print Preview and Print dialog box
2. Shift + 7 = Keyboard for Ampersand (Join Symbol), &