This is a FREE Standard Version of G1 - Math.xlsx

HVAC

Percentage Q&A	Markups & Markdowns
Percentage Pie Chart	Interpolation & Prorate
Part, Whole, & Percentage	Dates
Add, Subtract & Change in Percentage	Inches & Feet (Math)

USER DIRECTION:	
Enter Your Data In Yellow Cells	**123**

(Contact Us)

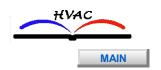**Visit Our Website For More Amazing Spreadsheets.**
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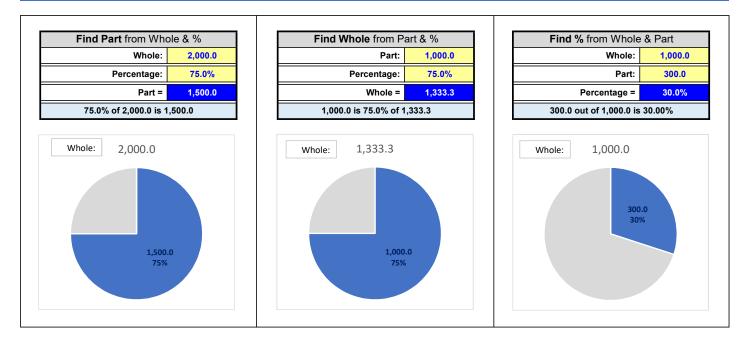NOTE: Enter your data in yellow cells and results in blue cells will automatically update.
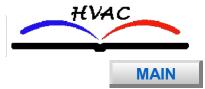
HVAC

PERCENTAGE Q&A

1) What is **80.0%** of **100.0** ?
Answer = **80.0**

2) **20.0** is **10.0%** of what?
Answer = **200.0**

3) **60.0** is what percent of **120.0** ?
Answer = **50.0%**

4) What percent of **55.0** is **34.0** ?
Answer = **61.8%**

5) **90.0%** of **450.0** is what?
Answer = **405.0**

6) What is the change in % from **10.0** to **100.0** ?
Answer = **900.0%**

7) **35.0** out of **350.0** is what percentage?
Answer = **10.0%**

8) Add **16.0%** to **134,500.0**
Answer = **156,020.0**

9) Subtract **25.0%** from **100.0**
Answer = **75.0**

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PART, WHOLE, AND PERCENTAGE

Find Part from Whole & %	
Whole:	2,000.0
Percentage:	75.0%
Part =	1,500.0
75.0% of 2,000.0 is 1,500.0	

Whole: 2,000.0

1,500.0
75%

Find Whole from Part & %	
Part:	1,000.0
Percentage:	75.0%
Whole =	1,333.3
1,000.0 is 75.0% of 1,333.3	

Whole: 1,333.3

1,000.0
75%

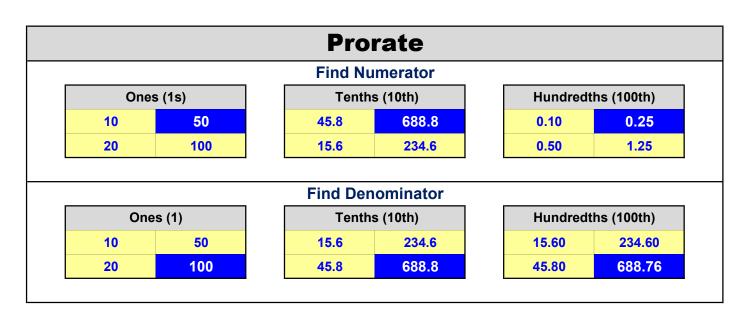| Find % from Whole & Part	
Whole:	1,000.0
Part:	300.0
Percentage =	30.0%
300.0 out of 1,000.0 is 30.00%	

Whole: 1,000.0

300.0
30%

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Interpolation

Ones (1s)		Tenths (10th)		Hundredths (100th)	
1,000	10	20.0	12.0	0.10	0.34
500	48	50.0	15.0	0.20	0.40
400	56	80.0	18.0	0.50	0.57

Prorate

Find Numerator

Ones (1s)		Tenths (10th)		Hundredths (100th)	
10	50	45.8	688.8	0.10	0.25
20	100	15.6	234.6	0.50	1.25

Find Denominator

Ones (1)		Tenths (10th)		Hundredths (100th)	
10	50	15.6	234.6	15.60	234.60
20	100	45.8	688.8	45.80	688.76

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PERCENTAGE PIE CHART

Individual Percentage of Total		
Name	Value	Percentage of Total
Red	12	7.69%
Orange	20	12.82%
Yellow	68	43.59%
Blue	34	21.79%
Green	22	14.10%
Total =	156	100.00%

Percentage

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MARKUPS & MARKDOWNS

MARKUPS	MARKDOWNS

MARKUPS

Find Final Number

Original:	25.00
Percent Markup:	40.00%
Final =	35.00
25.00 with 40.00% markup is 35.00	

Final Markup Rate

Original (Smaller #):	40.00
Final (Larger #):	75.00
Markup Rate =	87.50%
From 40.00 to 75.00 is a markup of 87.50%	

Find Original Number

Final:	63.00
Percent Markup:	40.00%
Original =	45.00
63.00 without the 40.00% markup is 45.00	

MARKDOWNS

Find Final Number

Original:	55.00
Percent Markdown:	25.00%
Final =	41.25
55.00 with 25.00% markdown is 41.25	

Final Markdown Rate

Original (Large #):	425.00
Final (Smaller #):	318.75
Markup Rate =	25.00%
From 425.00 to 318.75 is a markdown of 25.00%	

Find Original Number

Final:	127.46
Percent Markdown:	15.00%
Original =	149.95
127.46 without the 15.00% markdown is 149.95	

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MAIN

Find Duration Between Two Dates	
From:	3/1/2014
To:	5/1/2015
Duration:	1 year(s), 2 month(s) and 0 day(s)

Find Age	
Birthday:	10/1/1975
Today:	1/29/2018
Duration:	42 year(s), 3 month(s) and 28 day(s)

Find Date of Week	
Date:	11/22/2015
Date of Week:	Sunday

Find the Sunday of	
Date:	4/15/2015
The Sunday of:	4/12/2015

Find Week Number	
Date:	12/28/2017
Week Number:	52

Convert Years in Decimal Value to Years & Months	
Years in decimal:	2.25
Years & Months:	2 Years 3 Months

Find Number of Days Between Two Dates	
Start:	1/1/2012
End:	5/5/2015
Days:	1,220

Find Number of Weeks Between Two Dates	
Start:	1/1/2012
End:	5/5/2015
Weeks:	174.00

Find Number of Workdays Between Two Dates	
Start:	1/1/2012
End:	5/5/2015
Workdays:	872

Find Number of Years Between Two Dates	
Start:	1/1/1975
End:	12/16/2017
Years:	42

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INCHES & FEET (MATH)

ADDITION
(By Entering Inches Only)

Inches		
23	=	1' - 11"
2	=	2"
	=	
	=	
	=	
	=	
	=	
	=	
	=	
	=	
Total	=	2' - 1"

ADDITION
(By Entering Feet & Inches)

Feet	Inches		
5	6	=	5' - 6"
1	2	=	1' - 2"
		=	
		=	
		=	
		=	
		=	
		=	
		=	
		=	
Total		=	6' - 8"

SUBTRACTION
(By Entering Feet & Inches)

Feet	Inches		
5	0	=	5' - 0"
2	6	=	2' - 6"
Result		=	2' - 6"

SUBTRACTION
(By Entering Inches Only)

Inches		
25	=	2' - 1"
20	=	1' - 8"
Result	=	5"

MULTIPLICATION
(Find Area)

Feet	Inches		
2	6	=	2' - 6"
5	8	=	5' - 8"
Area (Sq. ft)		=	14.17

MULTIPLICATION
(Find Volume)

Feet	Inches		
2	0	=	2' - 0"
2	0	=	2' - 0"
2	2	=	2' - 2"
Volume (Cu. Ft.)		=	8.67

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ADD, SUBTRACT & CHANGE IN PERCENTAGE

Add a Percentage to a Number	
Original Number	93,678.00
Percentage Added	15.23%
New Number =	107,945.16
Add 15.23% To 93,678.00 = 107,945.16	
93,678.00 Plus 15.23% = 107,945.16	

Subtract a Percentage from a Number	
Original Number	130,000.00
Percentage Subtracted	10.00%
New Number =	117,000.00
Subtract 10.00% From 130,000.00 = 117,000.00	
130,000.00 Minus 10.00% = 117,000.00	

Change in Percentage	
From:	20.00
To:	40.00
Percentage Increased =	100.00%
Change from 20.00 to 40.00 is a 100.00% increase	

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