Excel & Business Math Video/Class Project #41 Markup on Cost? Or Markup on Sell Price?

Topics

1)	When Thinking About Markup, There Are Two Sides: Cost Side & Sell Price Side	2
2)	Both the Cost Side (Manufacturers & Distributors) & Sell Price Side (Retail Stores) Calculate the \$ Markup the Same	3
•	For "% Markup", Cost Side (Manufacturers & Distributors) uses Cost As Denominator and Sell Price Side (Retail Stores Sell Price As Denominator	•
4)	Meaning of "% Markup On Cost" and "% Markup On Sell Price"	5
5)	Video Example 1:	6
6)	Video Example 2:	7
7)	Video Example 3 & 4:	8

Cost Side

Gel Boomerangs

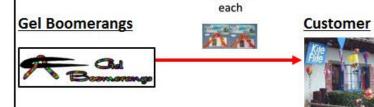
Manufactures and Distributes Boomerangs



Manufacturer or Distributor

They see everything in terms of "Cost"

Cost = Wholesale Cost = \$13.72



Many Synonyms for "Cost":

Cost = Wholesale Cost = COGS = Net Cost = Wholesale Price

\$13.72

The final "Cost" would include:

Trade Discounts, Cash Discounts, Shipping & Insurance.

Sell Price Side

Kite Flight

Buys Kites, Boomerangs and Toys and sells to Final Customer



Retailers

They see everything in terms of "Sell Price"

Sell Price = List Price = \$24.95



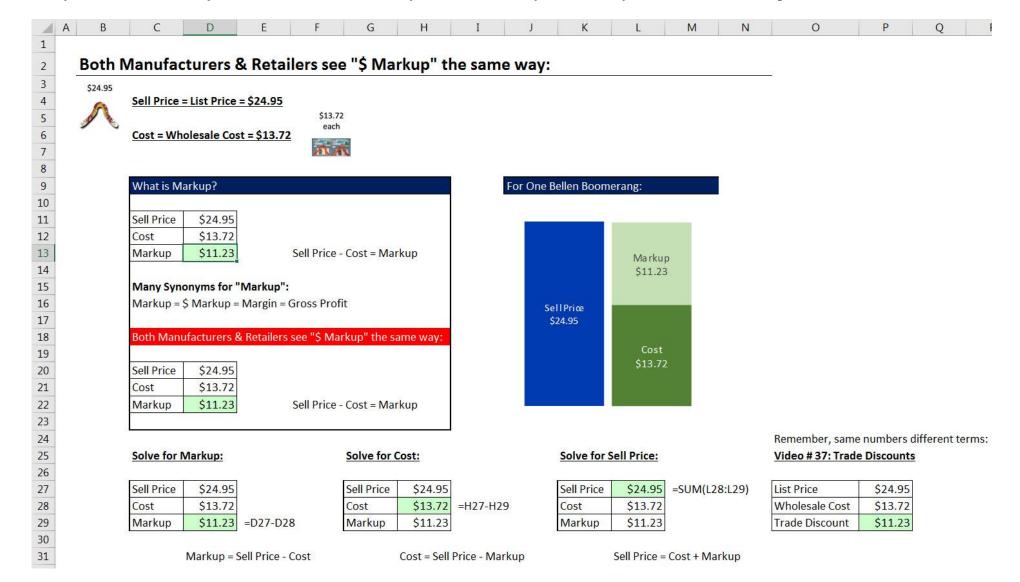
Many Synonyms for "Sell Price":

Sell Price = List Price = Selling Price = Retail Price

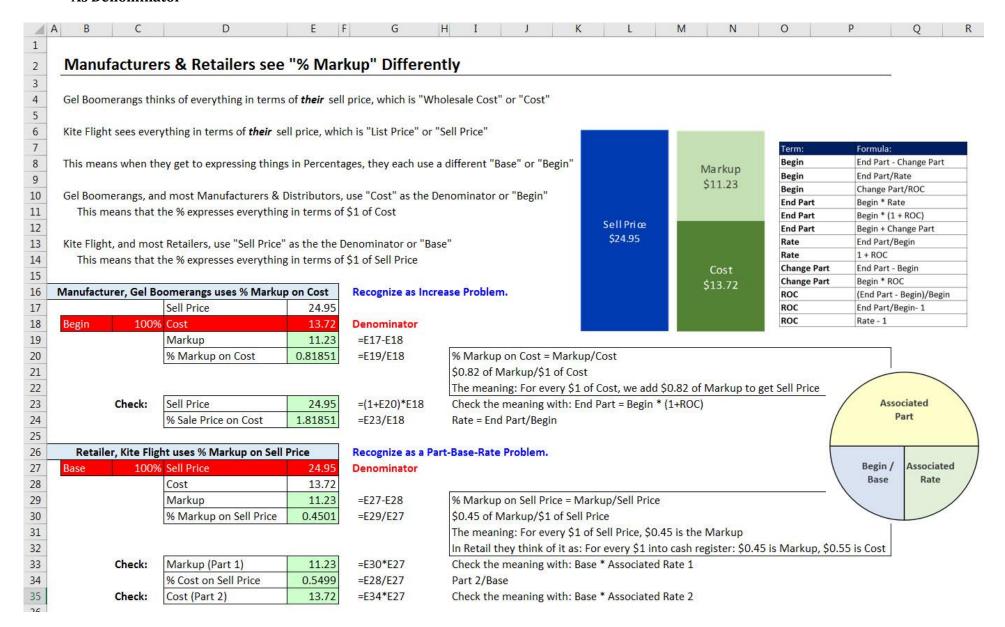
The final "Sell Price" would include:

Markdowns or Markups

2) Both the Cost Side (Manufacturers & Distributors) & Sell Price Side (Retail Stores) Calculate the \$ Markup the Same



3) For "% Markup", Cost Side (Manufacturers & Distributors) uses Cost As Denominator and Sell Price Side (Retail Stores) uses Sell Price As Denominator



4) Meaning of "% Markup On Cost" and "% Markup On Sell Price"

% Markup on Cost





% Markup on Cost answers the quest

How much do I add to each \$1 of Cost to get List Price?

Sell Price	24.95
Cost	13.72
Markup	11.23
% Markup on Cost	0.81851

=D57/D56

% Markup on Cost = Markup/Cost



+ \$0.82

Recognize as Increase Problem.

% Markup on Sell Price





% Markup on Sell Price answers the question:

How much of each \$1 of Sell Price is Markup?

Sell Price	24.95
Cost	13.72
Markup	11.23
% Markup on Sell Price	0.4501

=J57/J55

% Markup on Sell Price = Markup/Sell Price



\$0.45 Markup

Recognize as a Part-Base-Rate Problem.

• \$0.55 Cost

5) Video Example 1:

1	Α	В	C	D	E	F
1	If the Cost of a Base	eball Glove is \$12.75 and	d the	e company uses a 72	2% Markup on Cost, what is the Sell Price	?
2						
3	Key: It says Markup	on Cost				
4	Cost = Denominator	r or Begin				
5	Recognize as an Inc	crease Problem				
6						
7	Item:	Baseball Glove				
8	Cost =	12.75			Begin	
9	% Markup on Cost	72.00%			ROC	
10	Sell Price	21.93		=(1+B9)*B8	Meaning Method	
11	Sell Price	21.93		=B8*(1+B9)	End Part = Begin * (1+ROC)	
12	Rate	172.00%		=1+B9	Rate = 1 + ROC	
13	Markup	9.18		=B8*B9	Change Part = Begin * ROC	
14	Check	21.93		=B8+B13	Begin + Change Part = End Part	
4.0						

6) Video Example 2:

1	Α	В	C	D	E	F
1	If the Sell Price for the TV	is \$799.95 and the % N	∕lark	cup on Sell Price is	27.5%, what was the Cost?	
2						
3	Key: It says Markup on Se	ell Price				
4	Sell Price = Denominator	= Base				
5	Recognize as a Part-Base	-Rate Problem.				
6						
7	Item	TV				
8	Sell Price	799.95			Base	
9	% Markup on Sell Price	27.50%			Associated Rate 1	
10	Cost	579.96375		=(1-B9)*B8	Part 2 = Base * Rate 2	
11	Markup	219.98625		=B9*B8	Part 1 = Base * Rate 1	
12	Check: Sell Price	799.95		=SUM(B10:B11)	Base = Part 1 + Part 2	
13	% Cost on Sell Price	0.725		=B10/B8	Associated Rate 2 = Part 2	/Base
14						
4.5						

7) Video Example 3 & 4:

1	Α	В	C D	E		F
1	If the Markup for a Lego	Set is \$15 and the % Ma	rkup on Sell Price is	55%, what is th	e Sell Price?	
2					-	
3	**Note:	Base = Sell Price				
4		Recognize as Part-Base	e-Rate Problem			
5					As	sociated
6	\$ Markup	\$15.00	Part 1			Part
7	% Markup on Sell Price	55.00%	Rate 1			
8	Sell Price	27.27272727	Begin = Part 1/R	ate 1	Begin	/ Associated
9	Cost	12.27272727	Part 2 = Begin -	Part 1	Base	Rate
10	% Cost on Sell Price	0.45	Rate 2 = Part 2/I			
11						
12					1	
20000	If the Cost for a Boomera	ang is \$13.72 and the %!	Markun on Cost is 5	1 99% what is t	he \$ Markun?	
14	in the cost for a boomer	11g 15 \$15.72 and the 70 i	Warkap on cost is s	4.5570, WHAC 15		
- 81	**NIa+a+	Dogin - Cost			Term:	Formula:
15	**Note:	Begin = Cost			Begin	End Part - Change Part
15	**Note:	Begin = Cost Recognize as an Increa	ase Problem		Begin Begin	End Part - Change Part End Part/Rate
15 16	**Note:	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	ase Problem		Begin Begin Begin	End Part - Change Part End Part/Rate Change Part/ROC
15 16 17		Recognize as an Increa			Begin Begin Begin End Part	End Part - Change Part End Part/Rate Change Part/ROC Begin * Rate
15 16 17 18	Cost	Recognize as an Increa	Begin		Begin Begin Begin End Part End Part	End Part - Change Part End Part/Rate Change Part/ROC Begin * Rate Begin * (1 + ROC)
15 16 17 18 19	Cost % Markup on Cost	Recognize as an Increa 13.72 54.99%	Begin ROC		Begin Begin Begin End Part End Part End Part	End Part - Change Part End Part/Rate Change Part/ROC Begin * Rate Begin * (1 + ROC) Begin + Change Part
15 16 17 18 19	Cost	Recognize as an Increa	Begin	egin * ROC	Begin Begin Begin End Part End Part End Part Rate	End Part - Change Part End Part/Rate Change Part/ROC Begin * Rate Begin * (1 + ROC) Begin + Change Part End Part/Begin
15 16 17 18 19 20	Cost % Markup on Cost	Recognize as an Increa 13.72 54.99%	Begin ROC		Begin Begin Begin End Part End Part End Part Rate Rate	End Part - Change Part End Part/Rate Change Part/ROC Begin * Rate Begin * (1 + ROC) Begin + Change Part End Part/Begin 1 + ROC
15 16 17 18 19 20 21	Cost % Markup on Cost Markup Sell Price	13.72 54.99% 7.544628 21.264628	Begin ROC Change Part = Begin	+ Cahnge Part	Begin Begin Begin End Part End Part End Part Rate Rate Change Part	End Part - Change Part End Part/Rate Change Part/ROC Begin * Rate Begin * (1 + ROC) Begin + Change Part End Part/Begin 1 + ROC End Part - Begin
15 16 17 18 19 20 21	Cost % Markup on Cost Markup	13.72 54.99% 7.544628	Begin ROC Change Part = Bo	+ Cahnge Part	Begin Begin Begin End Part End Part End Part Rate Rate Change Part Change Part	End Part - Change Part End Part/Rate Change Part/ROC Begin * Rate Begin * (1 + ROC) Begin + Change Part End Part/Begin 1 + ROC End Part - Begin Begin * ROC
15 16 17 18 19 20 21 22 23	Cost % Markup on Cost Markup Sell Price	13.72 54.99% 7.544628 21.264628	Begin ROC Change Part = Begin	+ Cahnge Part	Begin Begin Begin End Part End Part End Part Rate Rate Change Part Change Part ROC	End Part - Change Part End Part/Rate Change Part/ROC Begin * Rate Begin * (1 + ROC) Begin + Change Part End Part/Begin 1 + ROC End Part - Begin Begin * ROC (End Part - Begin)/Begin
15 16 17 18 19 20 21	Cost % Markup on Cost Markup Sell Price	13.72 54.99% 7.544628 21.264628	Begin ROC Change Part = Begin	+ Cahnge Part	Begin Begin Begin End Part End Part End Part Rate Rate Change Part Change Part	End Part - Change Part End Part/Rate Change Part/ROC Begin * Rate Begin * (1 + ROC) Begin + Change Part End Part/Begin 1 + ROC End Part - Begin Begin * ROC