

	Past Sales						Forecasted Sa	
	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Jan-08
Assumptions	5.91	5.01	5.03	5.29	5.97	5.89	5.5	5.5
	Lead time (months):		3					
	Service level:		0.9					
Calculations				Formulas			Comments	
	Lead time demand:	16.5		SUM(H4:J4)			Summing the forecasts	
	Standard Deviation:	0.457063		STDEV(B4:G4)			Deviation in the past sale	
	Service factor:	1.281552		NORMSINV(D7)			Inverse of the normal distrib	
	Lead time factor:	1.732051		SQRT(D6)			Square root of lead-time to forec	
	Safety stock:	1.014549		D10*D11*D12			Combining factors	
	Reorder point:	17.51455		D9+D13			Lead time demand + safety :	

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	Past Sales						Forecasted Sa	
	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Jan-08
Assumptions	5.91	5.01	5.03	5.29	5.97	5.89	5.5	5.5
	0.41	-0.49	-0.47	-0.21	0.47	0.39		5.5
	Lead time (months):		3					
	Service level:		0.9					
Calculations	Lead time demand:		16.5	Formulas		Comments		
	Standard Deviation:		0.457063	SUM(H4:J4)		Summing the forecasts		
	Service factor:		1.281552	STDEV(B5:G5)		Deviation in the past sale		
	Lead time factor:		1.732051	NORMSINV(D7)		Inverse of the normal distrib		
	Safety stock:		1.014549	SQRT(D6)		Square root of lead-time to forec		
	Reorder point:		17.51455	D10*D11*D12		Combining factors		
			D9+D13		Lead time demand + safety :			

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