Interest Calculations Example 2

Principal	\$	750,000
Annual interest rate		8%
Date borrowed	Janu	uary 1, 2006

Simple interest method

Year	Principal		Annual interest rate	Interest expense			Cumluative interest		Principal + Cumulative interest	
2006	\$	750,000	8%	\$	60,000	(*1)	\$	60,000	\$	810,000
2007	\$	750,000	8%	\$	60,000	(*1)	\$	120,000	\$	870,000
2008	\$	750,000	8%	\$	60,000	(*1)	\$	180,000	\$	930,000
2009	\$	750,000	8%	\$	60,000	(*1)	\$	240,000	\$	990,000
2010	\$	750,000	8%	\$	60,000	(*1)	\$	300,000	\$1	,050,000

(*1) \$750,000 x 8% = \$60,000

Compound interest method

Year	Principal Annual Interest Cumluative interest rate expense interest		umluative interest	Principal + Cumulative interest				
2006	\$ 750,000	8%	\$ 60,000	(*2)	\$	60,000	\$	810,000
2007	\$ 750,000	8%	\$ 64,800	(*3)	\$	124,800	\$	874,800
2008	\$ 750,000	8%	\$ 69,984	(*4)	\$	194,784	\$	944,784
2009	\$ 750,000	8%	\$ 75,583	(*5)	\$	270,367	\$1	,020,367
2010	\$ 750,000	8%	\$ 81,629	(*6)	\$	351,996	\$ 1	,101,996

(*2)	\$750,000 x 8% = \$60,000
(*3)	(\$750,000 + \$60,000) x 8% = \$64,800
(*4)	(\$750,000 + \$60,000 + \$64,800) x 8% = \$69,984
(*5)	(\$750,000 + \$60,000 + \$64,800 + \$69,984) x 8% = \$75,583
(*6)	(\$750,000 + \$60,000 + \$64,800 + \$69,984 + \$75,583) x 8% = \$81,629