



Amortization Review Business Math

1 Amortization Table

1) John gets a \$7000 loan that makes payments of \$1600 every six months, at 5% p.a compounded quarterly. Determine the term of the loan and construct an amortization schedule.

Step 1: Set Up P/Y = 2 PMT = -1600 C/Y = 4 PV = 7000 I/Y = 5 FV = 0 CPT N = 4.69308 t = 2 years and 4 months

Step 2: Enter AMORT Mode

	AMORT	SET
2nd	PV	Enter

Step 3: CPT Periods

Step 4: Compute Last Row

P1 = P2P1 = P2 = 1 Enter = 5Principal Repaid = Previous Outstanding Loan = Outstanding balance BALInterest Paid = INTPRN = Principal repaid Amount Paid = Principal Repaid + BAL INT = Interest paid Outstanding Loan Repeat for P1=P2=2, 3, 4Balance = \$0

Payment Number	Amount Paid	Interest Paid	Principal Repaid	Outstanding Loan Balance
0	\$0	\$0	\$0	\$7000
1	\$1600.00	\$176.09	\$1423.91	\$5576.09
2	\$1600.00	\$140.27	\$1459.73	\$4116.36
3	\$1600.00	\$103.55	\$1496.45	\$2619.92
4	\$1600.00	\$65.91	\$1534.09	\$1085.83
5	\$1113.15	\$27.32	\$1085.83	\$0
Total	\$7513.15	\$513.14	\$7000.00	

Step 5: Complete Table

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