

ACT 240, NOV 3/08

Note Title

TEST 2 - FRI. NOV. 14, 10-11 AM

STAT AID CTR SS2133

MON NOV 10 12-1

WED 3-4

THURS 10-11, 4-5

AMORTIZATION OF A LOAN

LEVEL PAYMENT LOAN



$$L = K a_{\overline{n}|i}$$

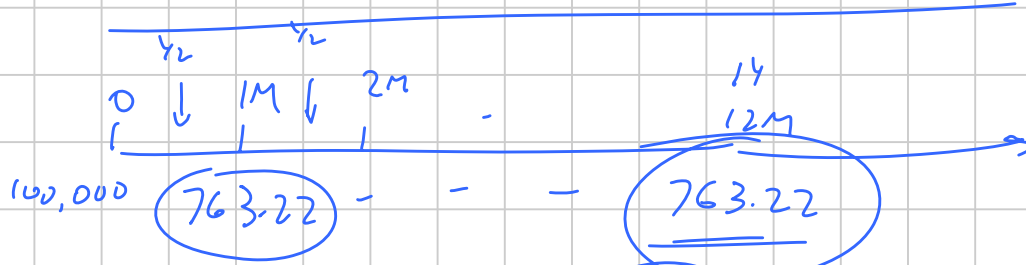
$$\begin{aligned} OB_t &= K a_{\overline{n-t}|i} \\ &= L(1+i)^t - K s_{\overline{t}|i} \end{aligned}$$

$$\begin{aligned} OB_{t-1} &= K a_{\overline{n-t+1}|i} \\ I_t &= OB_{t-1} \times i = K [1 - v^{n-t+1}] \\ PR_t &= K - I_t = K v^{n-t+1} \\ &= K [v + v^2 + \dots + v^{n-t+1}] \end{aligned}$$

$$\begin{aligned} OB_t &= OB_{t-1} - PR_t \\ &= K [v + v^2 + \dots + v^{n-t}] \\ &= K a_{\overline{n-t}|i} \end{aligned}$$

$$100,000 = \underline{381.61} a_{\overline{596}|k} + X v_k^{597}$$

$$596 \times 381.61 + X$$



$$1Y = 12M \\ = 24 \times \frac{1}{2}M$$

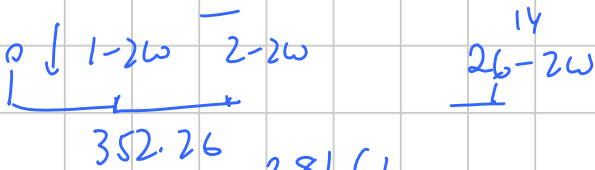
$$\rightarrow \frac{763.22 \times 12}{2.4} = \underline{381.61}$$

$$1Y = 52W \\ = 26 \times 2W$$

BI-WEEKLY

$$\frac{763.22 \times 12}{26} = \underline{352.26}$$

$k \equiv$ 2WEEK RATE



$$\left[(1.04)^2 \right]^{\frac{14}{365}} = 1+k \\ \underline{\underline{.0030132}}$$

$$100,000 = \underline{352.26} a_{\overline{n}|k}$$

$$100,000 = \underline{352.26} a_{\overline{642}|k} + Y v_k^{643}$$

$642 < n < 643$
 $\underline{\underline{24.7}} Y$

$$\text{TOTAL INT} = 642 \times 352.26 + Y - 100,000$$

WEEKLY PMT = 176.13 r / WK $(1+r)^2 = 1+k$

$$100,000 = \underline{176.13} a_{\overline{n}|r}$$

$$1289 < n < 1290 \quad \underline{\underline{24.66}}$$

ACCELERATED BI-WEEKLY PAYMENT SCHEME

PMT EVERY 2 WKS IS 381.61

TOTAL PAID IN 1 YR \rightarrow $\underline{\underline{381.61 \times 26}}$

BASIC BI-WEEKLY SCHEME PMT = 352.26

TOTAL PAID PER YR 352.26 x 26

100,000 = 381.61 a $\overline{0.0030132}$

518 < n < 519
19.9

518 x 14 / 365

100,000 LOAN 25 YR 0 = 1

100,000 = K a $\overline{0.0030132}$

a $\overline{0.0030132}$ = v + v^2 + ... + v^n = 300

K = 333.33

ACC. BI-WEEKLY

OB_{t-1} -> OB_{t-1}(1+k) - K = OB_t

333.33 / 2 = 166.67 PAID EVERY 2 WEEKS

k = 2WK RATE = 0

100,000 = 166.67 a $\overline{0.0030132}$

v + v^2 + ... + v^n = v

n = 600 2 WEEK PERIODS

600 x 14 = 8400 / 365 = 23. YRS

333.33 x 2 = 4000

166.67 x 26 = 4333.33



$$I_1 = \left[\underbrace{OB_0 + OB_1 + \dots + OB_{k-1}}_{\text{---}} + \dots + \underbrace{OB_{n-1}}_{\text{---}} \right] \times i$$

TABLE 3.4

t	Payment	Interest Due	Principal Repaid	Outstanding Balance
0	–	–	–	$L = OB_0 = a_{\overline{n} }$
1	$K_1 = 1$	$I_1 = OB_0 \cdot i$ $= i \cdot a_{\overline{n} }$ $= 1 - v^n$	$PR_1 = K_1 - I_1$ $= v^n$	$OB_1 = OB_0 - PR_1$ $= a_{\overline{n} } - v^n$ $= a_{\overline{n-1} }$
2	$K_2 = 1$	$I_2 = OB_1 \cdot i$ $= i \cdot a_{\overline{n-1} }$ $= 1 - v^{n-1}$	$PR_2 = K_2 - I_2$ $= v^{n-1}$	$OB_2 = OB_1 - PR_2$ $= a_{\overline{n-1} } - v^{n-1}$ $= a_{\overline{n-2} }$
\vdots		\vdots	\vdots	\vdots
$t-1$				$OB_{t-1} = a_{\overline{n-t+1} }$
t	$K_t = 1$	$I_t = OB_{t-1} \cdot i$ $= i \cdot a_{\overline{n-t+1} }$ $= 1 - v^{n-t+1}$	$PR_t = K_t - I_t$ $= v^{n-t+1}$	$OB_t = OB_{t-1} - PR_t$ $= a_{\overline{n-t+1} } - v^{n-t+1}$ $= a_{\overline{n-t} }$
\vdots		\vdots	\vdots	\vdots
n	$K_n = 1$	$I_n = OB_{n-1} \cdot i$ $= i \cdot a_{\overline{1} }$ $= 1 - v$	$PR_n = K_n - I_n$ $= v$	$OB_n = OB_{n-1} - PR_n$ $= a_{\overline{1} } - v$ $= 0$

The total amount paid during the term of the loan is $K_T = n$ (n payments of 1). The total amount of interest paid is

$$I_T = (1-v^n) + (1-v^{n-1}) + \cdots + (1-v) = n - a_{\overline{n}|},$$

and the total principal repaid is

$$K_T - I_T = n - (n - a_{\overline{n}|}) = a_{\overline{n}|} = L,$$

the original amount of the loan.

Another point to note about the amortization schedule for a loan with level payments concerns the principal repaid column. Moving down this column from time 1 to time 2 and onward, we see that

$$PR_2 = v^{n-1} = v^n(1+i) = PR_1(1+i),$$

and, in general,

$$PR_t = v^{n-t+1} = v^n(1+i)^{t-1} = PR_1(1+i)^{t-1}.$$

This relationship involving the principal repaid amounts is valid provided the payments and the interest rate remain level. In Exercise 3.1.2 it is shown that if two successive payments on an amortized loan are equal ($K_t=K_{t+1}$) and the corresponding periodic interest rates are also equal ($i_t=i_{t+1}=i$), then $PR_{t+1}=PR_t(1+i)$. In Example 3.1 where $K_1=K_2=K_3$, according to this rule, we expect that $PR_2=PR_1(1+j)$ and $PR_3=PR_2(1+j)$. This is easily verified since

$$PR_2 = 105.61(1.01) = 106.67$$

and

$$PR_3 = 106.67(1.01) = 107.74.$$

Furthermore, since $K_4=K_5=K_6$, we have $PR_4(1+j)=PR_5$ and $PR_5(1+j)=PR_6$. Note that $\frac{PR_4}{PR_3} = \frac{224.41}{107.74} = 2.083 \neq 1+j$, since $K_3 \neq K_4$.

EXAMPLE 3.3 (A 30-year mortgage)

A homebuyer borrows \$250,000 to be repaid over a 30-year period with level monthly payments beginning one month after the loan is made. The interest rate on the loan is a nominal annual rate of 9% compounded monthly. Find each of the following:

- (i) the amount of interest and the amount of principal paid in the first year,
- (ii) the amount of interest and the amount of principal paid in the 30th year.

SOLUTION

The monthly interest rate is .75%, and the monthly payment is K , where $Ka_{\overline{360}|.0075} = 250,000$. Then $K = 2,011.556542$. In practice, the actual payment by the borrower would be rounded to the nearest .01 (cent). For

the purpose of consistency in the algebraic relationships being illustrated, calculations will be based on full calculator accuracy without rounding.

- (i) The outstanding balance at the end of the first year (12 months) is (prospectively) $2,011.556542a_{\overline{348}|1.0075} = 248,292.0073$. The amount of principal paid in the first year is the amount by which the outstanding balance was reduced; this amount is

$$250,000 - 248,292.0073 = 1,707.9927.$$

The total amount paid in the first year is the 12 payments of 2,011.556542 for a total of 24,138.6785. Of that total, 1,707.9927 was principal repaid, so the remaining

$$24,138.6785 - 1,707.9927 = 22,430.6858$$

was interest paid in the first year.

- (ii) The outstanding balance at the end of the 29th year is (prospectively) $2,011.556542a_{\overline{12}|1.0075} = 23,001.9734$. Since the loan is completely repaid at the end of the 30th year, the amount of principal repaid during the 30th year must be the total amount of 23,001.9734 still outstanding when the 30th year begins. The total amount paid in the 30th year is still 12 payments of 2011.556542 for a total of 24,138.6785. Therefore, the total amount of interest paid in the 30th year is

$$24,138.6785 - 23,001.9734 = 1,136.7051.$$

Notice that since this is a level payment amortization, the amount of principal repaid grows by a factor of 1.0075 from one month to the next. Therefore, for each payment in the 30th year, the amount of principal repaid is $(1.0075)^{348}$ times as large as the principal paid in the corresponding payment in the first year (29 years or 348 months earlier). Therefore, the total principal paid in the 30th year should be $1,707.9927 \times (1.0075)^{348} = 23,001.9728$. The amount of principal paid in the 30th year calculated above is 23,001.9734. The difference from the value of 23,001.9728 is due to roundoff error within the calculator.

In practice, the payment made by the borrower would be rounded to the nearest one cent (.01) and any discrepancies that arise due to roundoff error would be corrected when the loan is finally settled. For instance, if the payment is 2,011.56, the retrospective outstanding balance calculation at the end of the first year would be

$$250,000(1.0075)^{12} - 2,011.56s_{\overline{12}|.0075} = 248,291.96.$$

There is a difference of .05 between this value and the value found in part (a) based on more accuracy in the payment amount.

Some entries in the amortization table for this loan are in the following table.

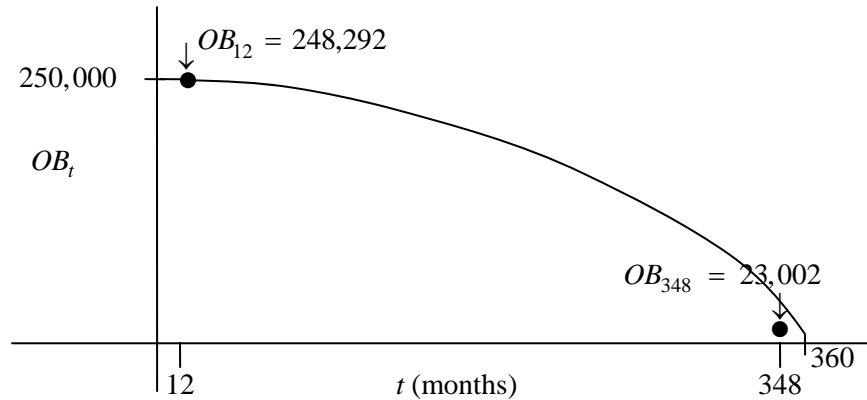
TABLE 3.5

<i>t</i>	Payment	Interest Due	Principal Repaid	Outstanding Balance
0	2011.56	–	–	250,000.00
1	2011.56	1875.00	136.56	249,863.44
2	2011.56	1873.98	137.58	249,725.86
3	2011.56	1872.94	138.62	249,587.25
4	2011.56	1871.90	139.65	249,447.60
5	2011.56	1870.86	140.70	249,306.90
6	2011.56	1869.80	141.75	249,165.14
⋮	⋮	⋮	⋮	⋮
240	2011.56	1197.08	814.48	158,795.68
⋮	⋮	⋮	⋮	⋮
300	2011.56	736.34	1275.22	96,903.46
⋮	⋮	⋮	⋮	⋮
348	2011.56	186.20	1825.35	23,001.97
⋮	⋮	⋮	⋮	⋮
358	2011.56	44.59	1966.97	3978.30
359	2011.56	29.84	1981.72	1996.58
360	2011.56	14.97	1996.58	0

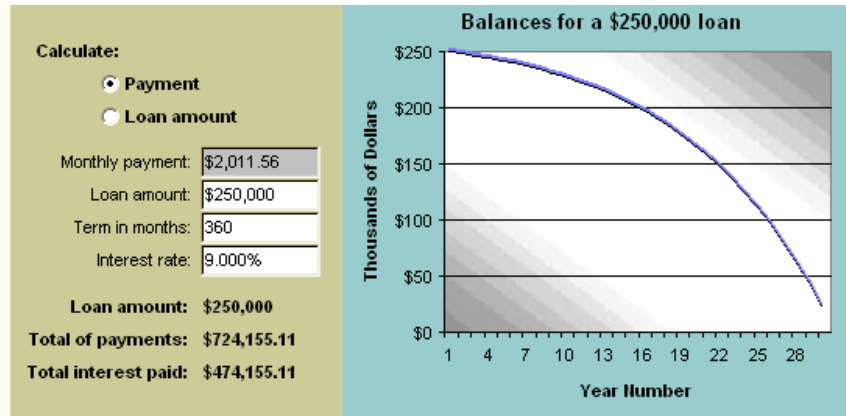
□

Figure 3.4 below shows two graphs of the outstanding balance over the lifetime of the loan in Example 3.3. The first graph was generated by a

computer routine, and the second graph was taken from the financial calculation website www.dinkytown.net/java/SimpleLoan.html.



Loan payment is \$2,011.56 for 360 payments.



www.dinkytown.net/java/SimpleLoan.html

FIGURE 3.4

Mortgage Loans in Canada

The law regarding mortgage loans in Canada requires that the mortgage interest rate be quoted as either an effective annual rate of interest or as a nominal annual rate of interest compounded semi-annually, even though

39. A 30-year loan of 1000 is repaid with payments at the end of each year.

Each of the first ten payments equals the amount of interest due. Each of the next ten payments equals 150% of the amount of interest due. Each of the last ten payments is X .

The lender charges interest at an annual effective rate of 10%.

Calculate X .

- (A) 32
- (B) 57
- (C) 70
- (D) 97
- (E) 117

EXAMPLE 3.2

Loan of 3000 , 2% per quarter for 12 quarters

1. Lump Sum Payment after 12 quarters
2. Interest only for 12 quarters plus principal repaid after 12 quarters
3. Level Payments for 12 quarters
4. Level principal for 12 quarters plus interest on outstanding balance every quarter

Time t	1. OB t	2. OB t	3. OB t	4. OB t
1	3060	3000	2776.32	2750
2	3121.2	3000	2548.166	2500
3	3183.624	3000	2315.45	2250
4	3247.296	3000	2078.079	2000
5	3312.242	3000	1835.96	1750
6	3378.487	3000	1589	1500
7	3446.057	3000	1337.099	1250
8	3514.978	3000	1080.161	1000
9	3585.278	3000	818.0847	750
10	3656.983	3000	550.7664	500
11	3730.123	3000	278.1017	250
12	3804.725	3000	-0.01623	0
Total Int	804.73	720	404.15	390

Time t	1. PR t	2. PR t	3. PR t	4. PR t
1	0	0	223.68	250
2	0	0	228.1536	250
3	0	0	232.7167	250
4	0	0	237.371	250
5	0	0	242.1184	250
6	0	0	246.9608	250
7	0	0	251.9	250
8	0	0	256.938	250
9	0	0	262.0768	250
10	0	0	267.3183	250
11	0	0	272.6647	250
12	3000	3000	278.118	250



Mortgage Centre

Mortgage Payment Calculator

Calculate your mortgage payments and see how you can save thousands of dollars in interest costs - while paying down your mortgage sooner!

Please enter the following information:

? Mortgage Amount:

? Rate Type: ▼

Interest Rate:

▶ [Current Rates](#)

? Interest Term: Years Months

? Payment Frequency: ▼

? Amortization Period: Years Months

▶ [Amortization comparison Chart](#)

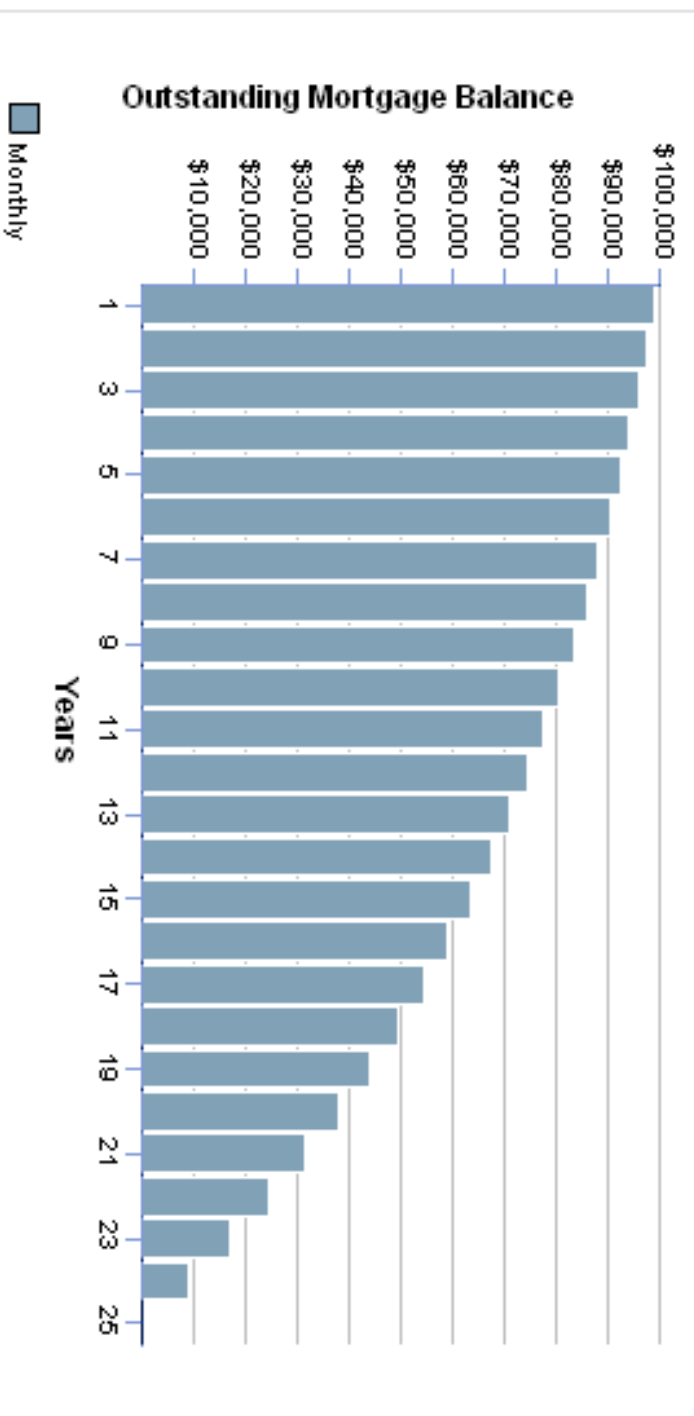
[Reset](#)

[Calculate](#)

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Payment Frequency	Payment Amount	Amortization	Term Interest Cost	Amortization Interest Cost	Amortization Interest Savings vs. Monthly Payment
<u>Monthly</u>	\$763.22	25.0 yrs	\$128,959.91	\$128,959.91	\$0.00
<u>Semi-monthly</u>	\$381.61	24.9 yrs	\$127,800.58	\$127,800.58	\$1,165.66
<u>Bi-weekly</u>	\$352.26	24.7 yrs	\$126,090.92	\$126,090.92	\$2,875.32
<u>Weekly</u>	\$176.13	24.6 yrs	\$125,573.50	\$125,573.50	\$3,392.74
<u>Accelerated Bi-weekly</u>	\$381.61	19.9 yrs	\$97,520.79	\$97,520.79	\$31,445.45
<u>Accelerated Weekly</u>	\$190.81	19.9 yrs	\$97,157.05	\$97,157.05	\$31,809.19

Mortgage Amortization Paydown

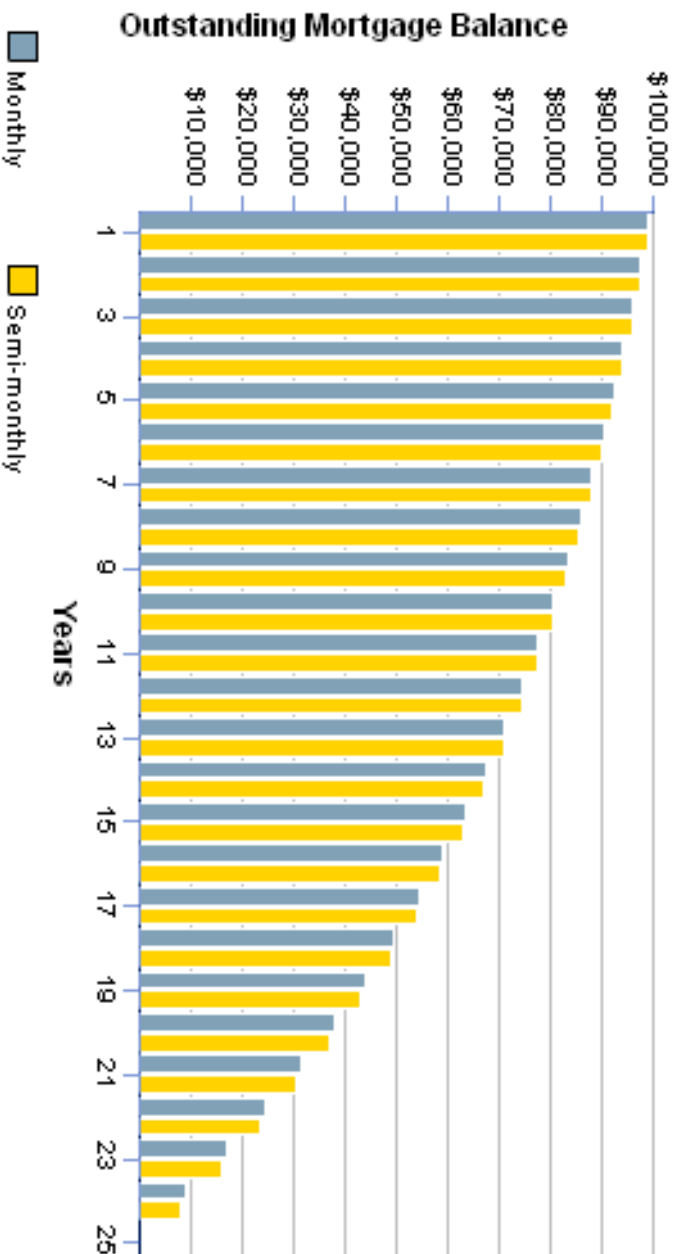


Results Summary

- Mortgage Amount:** \$100,000.00
 - Interest Rate Type:** Fixed
 - Payment Amount:** \$763.22
 - Amortization Period:** 25 years 0 months
 - Payment Frequency:** Monthly
 - Interest Term:** 25 years 0 months
 - Interest Rate:** 8.000%
- Update Your Calculation**
- ▶ [Double-Up Payment](#)
 - ▶ [Anniversary Payment](#)
 - ▶ [Skip-A-Payment](#)
 - ▶ [Change & Compare Scenarios](#)
- [Show Amortization Table](#)

Payment Frequency	Payment Amount	Amortization	Term Interest Cost	Amortization Interest Cost	Amortization Interest Savings
<u>Monthly</u>	\$763.22	25.0 yrs	\$128,959.91	\$128,959.91	Monthly Payment vs. Monthly Payment \$0.00
<u>Semi-monthly</u>	\$381.61	24.9 yrs	\$127,800.58	\$127,800.58	\$1,165.66
<u>Bi-weekly</u>	\$352.26	24.7 yrs	\$126,090.92	\$126,090.92	\$2,875.32
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Mortgage Amortization Paydown



Results Summary

Mortgage Amount: \$100,000.00

Interest Rate Type: Fixed

Interest Rate: 8.000%

Payment Amount: \$763.22

Amortization Period: 25 years 0 months

Payment Frequency: Monthly

Interest Term: 25 years 0 months

Interest Rate: 8.000%

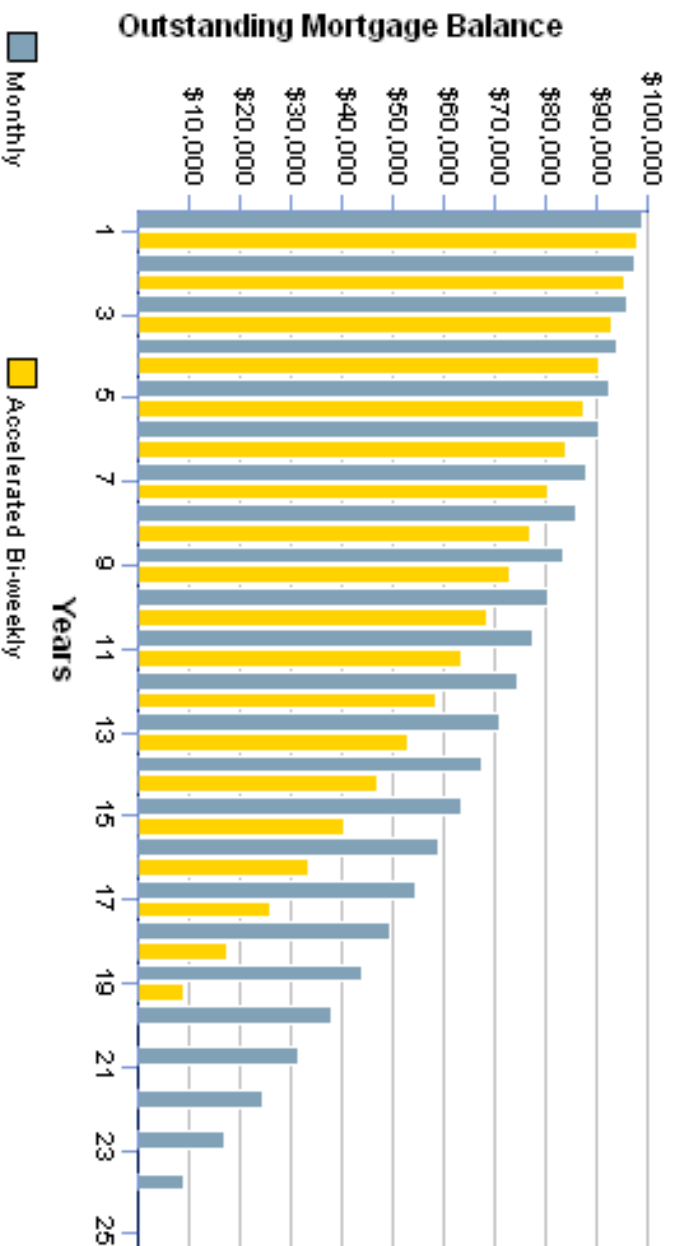
Update Your Calculation

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- ▶ [Anniversary Payment](#)
- ▶ [Skip-A-Payment](#)
- ▶ [Change & Compare Scenarios](#)

[Show Amortization Table](#)

Payment Frequency	Payment Amount	Amortization	Term	Amortization	Amortization
			Interest Cost	Interest Cost	Interest Savings
<u>Monthly</u>	\$763.22	25.0 yrs	\$128,959.91	\$128,959.91	Monthly Payment vs. \$0.00
<u>Semi-monthly</u>	\$381.61	24.9 yrs	\$127,800.58	\$127,800.58	\$1,165.66
<u>Bi-weekly</u>	\$352.26	24.7 yrs	\$126,090.92	\$126,090.92	\$2,875.32
<u>Weekly</u>	\$176.13	24.6 yrs	\$125,573.50	\$125,573.50	\$3,392.74
<u>Accelerated Bi-weekly</u>	\$381.61	19.9 yrs	\$97,520.79	\$97,520.79	\$31,445.45
<u>Accelerated Weekly</u>	\$190.81	19.9 yrs	\$97,157.05	\$97,157.05	\$31,809.19

Mortgage Amortization Paydown



Results Summary

Mortgage Amount:

\$100,000.00

Interest Rate Type:

Fixed

Payment Amount:

\$763.22

Amortization Period:

25 years 0 months

Payment Frequency:

Monthly

Interest Term:

25 years 0 months

Interest Rate:

8.000%

Update Your Calculation

[▶ Double-Up Payment](#)

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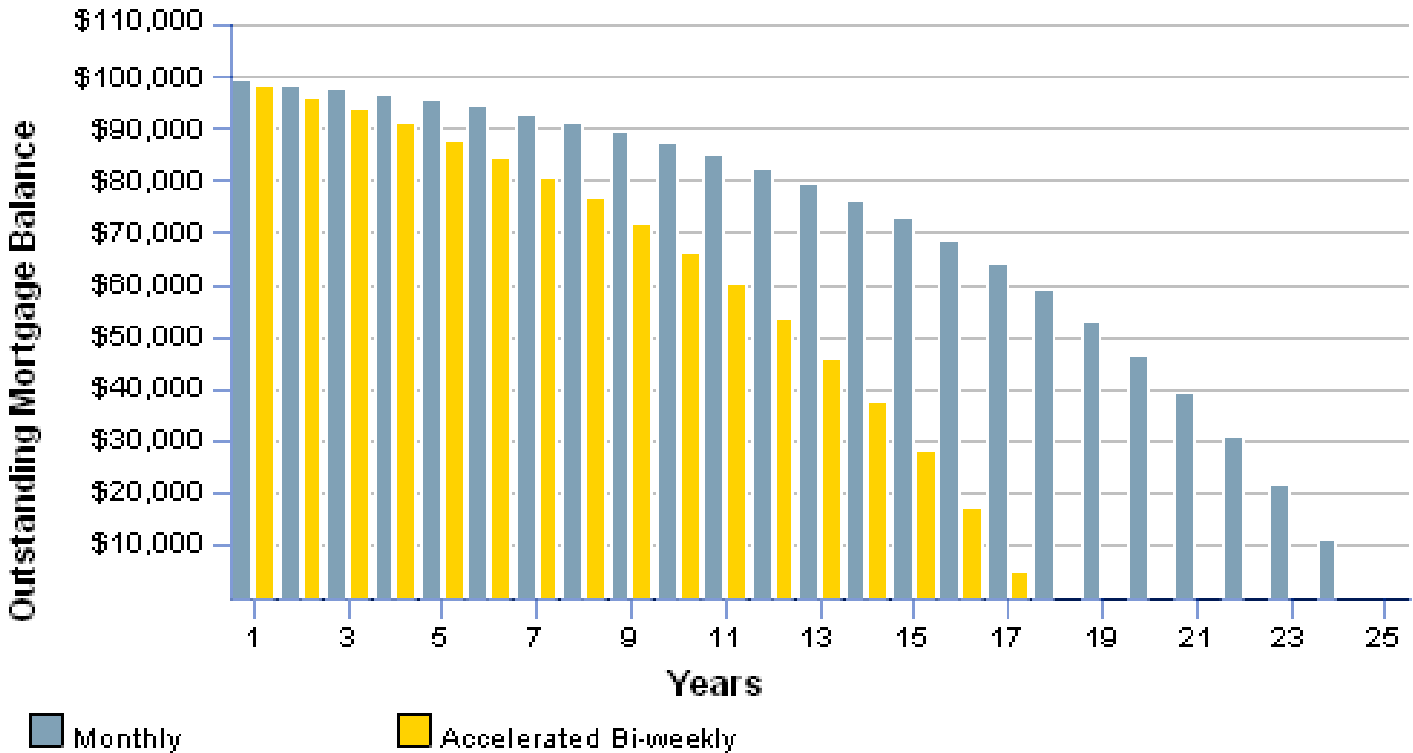
[▶ Change & Compare Scenarios](#)

[Show Amortization Table](#)

Mortgage Payment Calculator

Payment Frequency	Payment Amount	Amortization	Term Interest Cost	Amortization Interest Cost	Amortization Interest Savings vs. Monthly Payment
Monthly	\$1,031.90	25.0 yrs	\$57,374.12	\$209,569.20	\$0.00
Semi-monthly	\$515.95	24.7 yrs	\$57,170.60	\$205,168.03	\$4,401.18
Bi-weekly	\$476.27	24.2 yrs	\$56,888.74	\$199,949.53	\$9,619.67
Weekly	\$238.14	24.1 yrs	\$56,794.64	\$198,072.42	\$11,496.78
Accelerated Bi-weekly	\$515.95	17.4 yrs	\$55,069.22	\$133,627.53	\$75,941.68
Accelerated Weekly	\$257.98	17.4 yrs	\$54,967.32	\$132,774.50	\$76,794.70

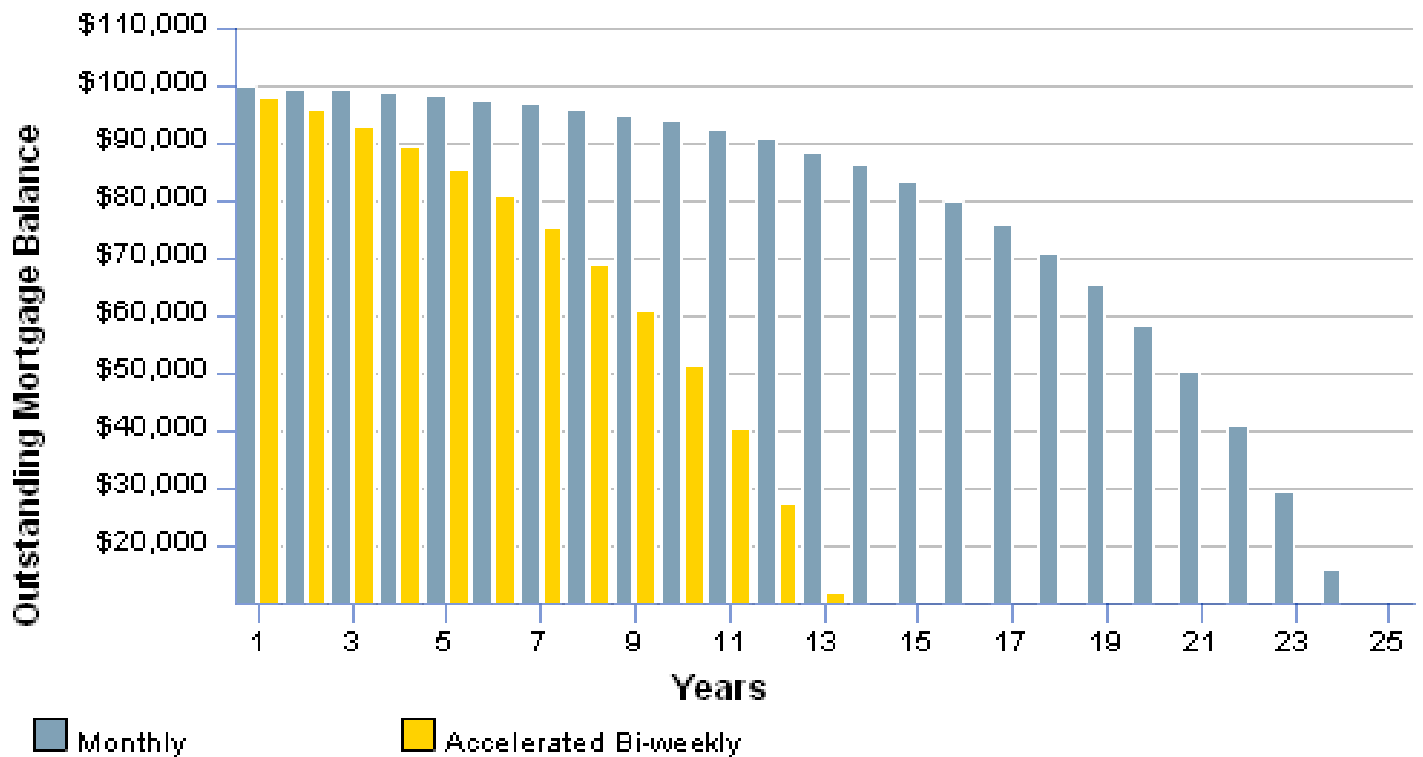
Mortgage Amortization Paydown

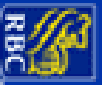


Mortgage Payment Calculator

Payment Frequency	Payment Amount	Amortization	Term Interest Cost	Amortization Interest Cost	Amortization Interest Savings vs. Monthly Payment
Monthly	\$1,466.38	25.0 yrs	\$86,118.82	\$339,913.40	\$0.00
Semi-monthly	\$733.19	23.7 yrs	\$85,619.35	\$316,043.26	\$23,870.14
Bi-weekly	\$676.80	22.6 yrs	\$85,115.48	\$297,494.73	\$42,418.67
Weekly	\$338.40	22.2 yrs	\$84,885.68	\$289,768.81	\$50,144.58
Accelerated Bi-weekly	\$733.19	13.7 yrs	\$80,872.59	\$160,108.67	\$179,804.72
Accelerated Weekly	\$366.60	13.6 yrs	\$80,622.89	\$158,384.54	\$181,528.86

Mortgage Amortization Paydown





Full-Amortization Table - Monthly

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[Show Yearly Amortization Table](#)

#	Principal Outstanding	Principal & Interest Payment	Interest	Principal	New Principal Outstanding	Payment Options Selected
1	\$100,000.00	\$1,526.44	\$655.82	\$870.62	\$99,129.38	
2	\$99,129.38	\$763.22	\$650.11	\$113.11	\$99,016.27	
3	\$99,016.27	\$763.22	\$649.37	\$113.85	\$98,902.42	
4	\$98,902.42	\$763.22	\$648.62	\$114.60	\$98,787.82	
5	\$98,787.82	\$763.22	\$647.87	\$115.35	\$98,672.47	
6	\$98,672.47	\$763.22	\$647.11	\$116.11	\$98,556.36	
7	\$98,556.36	\$763.22	\$646.35	\$116.87	\$98,439.50	
8	\$98,439.50	\$763.22	\$645.59	\$117.63	\$98,321.86	
9	\$98,321.86	\$763.22	\$644.81	\$118.41	\$98,203.45	
10	\$98,203.45	\$763.22	\$644.04	\$119.18	\$98,084.27	
11	\$98,084.27	\$763.22	\$643.26	\$119.96	\$97,964.31	
12	\$97,964.31	\$763.22	\$642.47	\$120.75	\$97,843.56	
13	\$97,843.56	\$1,526.44	\$641.68	\$884.76	\$96,958.79	
14	\$96,958.79	\$763.22	\$635.87	\$127.35	\$96,831.45	
15	\$96,831.45	\$763.22	\$635.04	\$128.18	\$96,703.27	
16	\$96,703.27	\$763.22	\$634.20	\$129.02	\$96,574.25	
17	\$96,574.25	\$763.22	\$633.35	\$129.87	\$96,444.38	

URL: <http://www.canlii.org/ca/sta/i-15/whole.html>

Interest Act

I-15

An Act respecting interest

SHORT TITLE

Short title **1.** This Act may be cited as the *Interest Act*.
R.S., c. I-18, s. 1.

RATE OF INTEREST

No restriction **2.** Except as otherwise provided by this Act or any other Act of Parliament, any person may stipulate for, except by statute allow and exact, on any contract or agreement whatever, any rate of interest or discount that is agreed on.
R.S., c. I-18, s. 2.

Interest rate **3.** Whenever any interest is payable by the agreement of parties or by law, and no rate is fixed by the when none provided agreement or by law, the rate of interest shall be five per cent per annum.
R.S., c. I-18, s. 3.

When per **4.** Except as to mortgages on real property or hypothecs on immovables, whenever any interest is, by the annum rate not terms of any written or printed contract, whether under seal or not, made payable at a rate or percentage per stipulated day, week, month, or at any rate or percentage for any period less than a year, no interest exceeding the rate or percentage of five per cent per annum shall be chargeable, payable or recoverable on any part of the principal money unless the contract contains an express statement of the yearly rate or percentage of interest to which the other rate or percentage is equivalent.
R.S., 1985, c. I-15, s. 4; 2001, c. 4, s. 91.

Recovery of **5.** If any sum is paid on account of any interest not chargeable, payable or recoverable under section 4, the sums paid otherwise sum may be recovered back or deducted from any principal or interest payable under the contract.
R.S., c. I-18, s. 5.

INTEREST ON MONEYS SECURED BY MORTGAGE ON REAL PROPERTY OR HYPOTHEC ON IMMOVABLES

No interest **6.** Whenever any principal money or interest secured by mortgage on real property or hypothec on recoverable in certain cases immovables is, by the mortgage or hypothec, made payable on a sinking fund plan, on any plan under which the payments of principal money and interest are blended or on any plan that involves an allowance of interest on stipulated repayments, no interest whatever shall be chargeable, payable or recoverable on any part of the principal money advanced, unless the mortgage or hypothec contains a statement showing the amount of the principal money and the rate of interest chargeable on that money, calculated yearly or half-yearly, not in advance.
R.S., 1985, c. I-15, s. 6; 2001, c. 4, s. 92.

No rate **7.** Whenever the rate of interest shown in the statement mentioned in section 6 is less than the rate of recoverable beyond that so interest that would be chargeable by virtue of any other provision, calculation or stipulation in the mortgage or stated hypothec, no greater rate of interest shall be chargeable, payable or recoverable, on the principal money advanced, than the rate shown in the statement.
R.S., 1985, c. I-15, s. 7; 2001, c. 4, s. 93(E).

No fine, etc., **8.** (1) No fine, penalty or rate of interest shall be stipulated for, taken, reserved or exacted on any arrears

- allowed on payments in arrears of principal or interest secured by mortgage on real property or hypothec on immovables that has the effect of increasing the charge on the arrears beyond the rate of interest payable on principal money not in arrears.
- Interest on arrears (2) Nothing in this section has the effect of prohibiting a contract for the payment of interest on arrears of interest or principal at any rate not greater than the rate payable on principal money not in arrears.
R.S., 1985, c. I-15, s. 8; 2001, c. 4, s. 94.
- Overcharge may be recovered back **9.** If any sum is paid on account of any interest, fine or penalty not chargeable, payable or recoverable under section 6, 7 or 8, the sum may be recovered back or deducted from any other interest, fine or penalty chargeable, payable or recoverable on the principal.
R.S., c. I-18, s. 9.
- When no further interest payable **10.** (1) Whenever any principal money or interest secured by mortgage on real property or hypothec on immovables is not, under the terms of the mortgage or hypothec, payable until a time more than five years after the date of the mortgage or hypothec, then, if at any time after the expiration of the five years, any person liable to pay, or entitled to pay in order to redeem the mortgage, or to extinguish the hypothec, tenders or pays, to the person entitled to receive the money, the amount due for principal money and interest to the time of payment, as calculated under sections 6 to 9, together with three months further interest in lieu of notice, no further interest shall be chargeable, payable or recoverable at any time after the payment on the principal money or interest due under the mortgage or hypothec.
- When section not to apply (2) Nothing in this section applies to any mortgage on real property or hypothec on immovables given by a joint stock company or other corporation, nor to any debenture issued by any such company or corporation, for the payment of which security has been given by way of mortgage on real property or hypothec on immovables.
R.S., 1985, c. I-15, s. 10; 2001, c. 4, s. 95.
- 11. to 14.** [Repealed, 1992, c. 1, s. 146]

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