Lesson 1 Mortgage Payments

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Terms:

Amortization period: the length in time, in years, required to pay off a mortgage

Equity: the difference between the value of your property and how much you owe on your mortgage (the portion of the value of your property that you own).

Unpaid Balance: the portion of the value of your property that you owe money on

Finance Charge: the interest amount paid to borrow money

Principal of the mortgage: amount borrowed at the beginning of the mortgage

Example 1

Jack and Diane purchased a home for \$385 000. They made a down payment of \$35 000. If their monthly payment is \$1890 for an amortization period of 25 years, calculate the amount of interest they would pay over the life of the mortgage.

Finance charge (Interest over life of the mortgage)
$$= monthly payment x # of months - principal borrowed$$

Example 2

The Squarepants purchased a home for \$260 000. They made a down payment of \$35 000 and negotiated an interest rate for their mortgage of 7.25% over 25 years. The monthly payment for the Squarepants family is \$1548.75.

a.) Determine the principal of their mortgage.

b.) Determine the amount of interest they paid on their first payment.

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1.351. 2100

1.0725

Interest portion of payment = unpaid balance x interest rate
$$\div$$
 12

Interest = 225 000 × 0.0725 \div 12

1.359.38

c.) Determine the finance charge (total interest) they would pay over the life of the mortgage.

Example 3

The Lodges took a mortgage out for \$285 000 for a home they purchased for \$315 000. Their mortgage rate is 6.75% over 25 years with a monthly payment of \$1785.80.

a.) Determine the amount of their down payment.

b.) Determine the amount of interest on the first payment.

Interest = 285 000 x 0.0675 : 12 = \$1603.13

c.) Determine the amount of interest they will pay over the life of the mortgage.

Example 4

State two ways to lower a monthly mortgage payment.

Example 5

State two ways to decrease the finance charge over the life of the mortgage.

- shorter amortization period
- make a larger down payment