HP 10BII
Financial Calculator

Quick Reference Guide

Memory Keys
- ö: Stores a constant operation.
- ç: Stores a value in the M register (memory location).
- : Recalls a value from the M register.
- : Adds a value to the number stored in the M register.
- : Stores a value in a numbered register.
- : Recalls a value from a numbered register.

Multiply 17, 22, and 25 by 7, storing “× 7” as a constant operation.

Keys: Display: Description:
- ö: 7.00 Stores “× 7”.
- ç: 119.00 Multiplies 17 × 7.
- : 154.00 Multiplies 22 × 7.
- : 175.00 Multiplies 25 × 7.

Store 519 in register 2, then recall it.

Keys: Display: Description:
- ö: 519.00 Stores in register 2.
- ç: 0.00 Clears display.
- : 519.00 Recalls register 2.

Time Value of Money (TVM)
Enter any four of the five values and solve for the fifth. A negative sign in the display represents money paid out; money received is positive.

Keys: Display: Description:
- ö: Number of payments.
- ç: Interest per year.
- : Present value.
- : Payment.
- : Future value.
- : Begin or End mode.
- : Number of payments per year mode

See example on page 6.

Percentages

Add 15% to $17.50.

Keys: Display: Description:
- ö: 17.50 Enters number.
- ç: 20.13 Adds 15%.

Find the margin if cost is $15.00 and selling price is $22.00.

Keys: Display: Description:
- ö: 22.00 Enters price.
- ç: 31.82 Calculates margin.

If the cost is $20.00 and the markup is 33%, what is the selling price?

Keys: Display: Description:
- ö: 20.00 Enters cost.
- ç: 26.60 Enters markup.
- : Calculates price.

If you borrow $14,000 (PV) for 360 months (N) at 10% interest (I/YR), what is the monthly repayment?

Set to End mode. Press ö if BEGIN annunciator is displayed.

Keys: Display: Description:
- ö: 12.00 Sets payments per year.
- ç: 360.00 Enters payments.
- : 10.00 Enters interest per year.
- : 14,000.00 Enters present value.
- : 0.00 Enters future value.
- : –122.86 Calculates payment if paid at end of period.
**TVM What if...?**

It is not necessary to re-enter TVM values for each example. Using the values from the previous page, how much can you borrow if you want a payment of $100.00?

- **Keys:** Display: Description:
  - entering new payment amount. (Money paid out is negative.)
  - 11,395.08 Calculates amount you can borrow.

How much can you borrow at a 9.5% interest rate?

- **Keys:** Display: Description:
  - Enters new interest rate.
  - 9.50 Calculates new present value for $100.00 payment and 9.5% interest.
  - 10.00 Retracts original interest rate.
  - 14,000.00 Retracts original present value.
  - -122.86 Calculates original payment.

**Find the annual effective interest rate of 10% nominal interest compounded monthly.**

- **Keys:** Display: Description:
  - 10.00 Enters nominal rate.
  - 12.00 Enters payments per year.
  - 10.47 Calculates annual effective interest.

**IRR/YR and NPV**

- **Number of periods per year (default is 12).**
- **Number of consecutive times cash flow i occurs.**
- **Net present value.**

<table>
<thead>
<tr>
<th>Keys:</th>
<th>Display:</th>
<th>Description:</th>
</tr>
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<tbody>
<tr>
<td>10.00</td>
<td>Enters nominal rate.</td>
<td></td>
</tr>
<tr>
<td>12.00</td>
<td>Enters payments per year.</td>
<td></td>
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<tr>
<td>10.47</td>
<td>Calculates annual effective interest.</td>
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<tr>
<td>12H©</td>
<td>=</td>
<td>Calculates IRR.</td>
</tr>
<tr>
<td>40000FJ</td>
<td>=</td>
<td>Calculates NPV.</td>
</tr>
<tr>
<td>3300FJ</td>
<td>=</td>
<td>Calculates NPV.</td>
</tr>
</tbody>
</table>

**Amortization**

After calculating a payment using Time Value of Money (TVM), enter the periods to amortize and press . Then press to continually cycle through the interest, principal, and balance values (indicated by the PRN, INT, and BAL annunciators respectively). Using the TVM example from the previous page, amortize a single payment and then a range of payments.

- **Keys:** Display: Description:
  - Enters range of periods to amortize.
  - 10.00 Enters period to amortize.
  - -7.26 Displays period to amortize.
  - -115.61 Displays principal.
  - 13,865.83 Displays balance.

See example on page 9.

**Interest Rate Conversion**

To convert between nominal and effective interest rates, enter the known rate and the number of periods per year, then solve for the unknown rate.

- **Keys:** Display: Description:
  - Nominal interest percent. |
  - Effective interest percent. |
  - Periods per year. |

See example on page 10.

**Statistics**

- **Keys:** Display: Description:
  - Enters one-variable statistical data. |
  - Enter two-variable statistical data. |
  - Delete two-variable statistical data. |
  - Means of x and y. |
  - Sample standard deviations of x and y. |
  - Estimate of y and correlation coefficient. |
  - Estimate of y. |
  - y-intercept and slope. |