

Calculations and Formulas for Loan Offers

Cell	Calculating	Google Sheet Formula
C6	Monthly Interest Rate Loan #4	= C5/12
F6	Monthly Interest Rate Loan #2	= F5/12
I6	Monthly Interest Rate Loan #3	= I5/12

Monthly Payment

$$P = \frac{Cr(1+r)^N}{(1+r)^N - 1}$$

Example: Loan #1 Calculation Setup

C13

$$(1+r)^N$$

$$= (1+C6)^N C7$$

C14

$$Cr$$

$$= C4 * C6$$

C15

$$Cr(1+r)^N$$

$$= C14 * C13$$

D13

$$(1+r)^N - 1$$

$$= C13 - 1$$

C8

$$\frac{Cr(1+r)^N}{(1+r)^N - 1}$$

$$= C15 / D13$$