FP Example

Measurement Parameter	Optimistic	Likely	Pess.	Est. Count	Weight	FP-count
Number of user inputs	20	24	30	24	4	97
number of user outputs	12	15	22	16	5	78
number of user inquiries	16	22	28	22	4	88
number of files	4	4	5	4	10	42
number of external interfaces	2	2	3	2	7	15
Count						321

Factor	Value
Backup and recovery	4
Data communications	2
Distributed processing	0
Performance critical	4
Existing operating environment	3
On-line data entry	4
Input transactions over multiple screens	5
Master file updated on-line	3
Information domain values complex	5
Internal processing complex	5
Code designed for reuse	4
Conversion/installation in design	3
Multiple installations	5
Application designed for change	5

Estimated number of FP is

Count total * $(0.65 + 0.01 * \Sigma F_i) = 372$

Historical data indicates that the organizational average productivity for systems of this type is 6.5 FP/per-month and the cost per FP is $1230.

Thus, the FP estimate for this project is

- 372 / 6.5 = 58 person months
- 372 * 1230 = $45700