61) $P = 100$, $R = 7\%$, $T = 4$

$SI = 28 \times 512 = 3584$

$CI = 816 \xrightarrow{2.04} 1024$

$P = 100$, $R = 4\%$, $T = 2 \rightarrow$ **2 : 1**

$= 4 \times 2 + 0.16 \times 1$

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66) $R = 10\%$, $T = 5$, $SI = 50\%$

$R = 12\%$, $T = 5$, $SI = 60$

$10\% \longrightarrow 450$

$100 \longrightarrow$ **4500**

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64) $P = 100$

CI — 832, SI — 800

$\frac{32}{400} \times 100 = 8\% = R$

$8\% \longrightarrow 400$

$CI - SI = 3 : 3 : 1 - 3$

$= 3 : 1 = 0.64 \times 3 + 0.0512 \times 1$

$= 1.92\%$

$8\% \longrightarrow 400$

$1.92\% \longrightarrow 100$

68) $7000 \times 8\% = 560$

$3000 \times 5\% = 150$

$710 \xrightarrow{\times 6.5} 4615$

$\boxed{R = 6.5\%}$

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69) Arun = 100x Vijay = 100y

$R = 10\%$ $R = 5\%$

$T = 8$ $T = 5$

$SI = 8x$ $SI = 25\%\ y$

$\boxed{80x - 25y = 8400}$

CND

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71) $P = 100$

$R = 10\% / 2 = 5\%$

$T = 1 \times 2 = 2$

$CI = (5 \times 2) + (0.25 \times 1) = \boxed{10.25}$

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75) $P = 91000$

CI: $R = 20\%$, $T = 2$, $CI = 44\% \text{ of } 91000$

SI: $R = \frac{100}{7}\% = \frac{1}{7}$, $T = 4$, $SI = \frac{1300}{91000} \times \frac{1}{7} \times 44$

36)

CI		SI
2 : 1 (20)	−	2 = 20
3 : 3 : 1	−	3 = 61

(20×3) (1)

$R = \frac{1}{20} \times 100 = 5\%$

$P = 100$

CI: (5×2) + (0.25×1) = 10.25

SI: 10

10.25 − 10

0.25 — 20 (×80)

100 — 8000

37) $P = 200$

$R = 5\%$

$I^{st}(CI) = 10$

$A = 210 - 100 = 110$

$\longrightarrow P = 110$

$R = 5\%$

$II^{nd}(CI) = 5.5$

$A = 115.5$ ✓

⇒9) P = 10

R = 5%
T = 9 M

R = 3%
T = 14 M

SI = 45%

SI = 42%

3 ——— 10

(45+42) = 87 ——— 290