

- a)
- | | | |
|---------------------|------------------------|---------------------|
| 1) $51+23=74$ | 2) $44+25=69$ | 3) $7+8=15$ |
| 4) $16 \times 5=80$ | 5) $12 \times 2+63=87$ | 6) $28+42=70$ |
| 7) $9 \times 6=54$ | 8) $84-35=49$ | 9) $13 \times 6=78$ |

- b)
- | | | |
|----------------------------------|----------------|------------------------|
| 10: te/ter | 31: semyrri ka | 36: lir maben trok |
| 58: roky maben ti/rokyr maben ti | | 93: telang tykori asym |

Explanation: Chungli Ao is base 10, with:

#	Chungli Ao	
1	ka	} Set A
2	ana	
3	asym	
4	pezy	
5	pungu	} Set B
6	trok	
7	tenet	
8	ti	
9	tyko	
10	te/ter	} Set C
20	metsy	
30	semyr	
40	lir	
50	tenem	
60	roky/rokyr	
70	tenem ser metsy	
80	lir anasy	
90	telang tyko	

For other pos. integers:

$\alpha \in \text{Set A}$

$\beta \in \text{Set B}$

$\gamma \in \text{Set C}$

$$\gamma - r_i \alpha = \gamma + \alpha \quad (\text{rri becomes ri})$$

e.g. $\text{liri ana} = \text{lir} + \text{ana} = 42$

$$\gamma \text{ maben } \beta = (\gamma - 10) + \beta$$

e.g. $\text{lir maben pungu} = (\text{lir} - 10) + \text{pungu}$
 $= 40 - 10 + 5$
 $= 35.$

In other words, each integer $n > 10$ is written in terms of the nearest multiple of 10, m , with $-r_i$ if $n > m$ and $+r_i$ if $m > n$, and the base-10 ones digit of n . (If the ones digit is 5, it rounds up.)