

Problem 5 (20 points). Here are some equalities written in the Chungli dialect of the Ao language:

- (1) **tenemri ka + metsyri asym = tenem ser metsyri pezy**
- (2) **liri pezy + semyr maben pungu = tenem ser metsy maben tyko**
- (3) **tenet + ti = metsy maben pungu**
- (4) **metsy maben trok × pungu = lir anasy**
- (5) **teri ana × ana + rokyri asym = telang tyko maben tenet**
- (6) **semyr maben ti + liri ana = tenem ser metsy**
- (7) **tyko × trok = tenemri pezy**
- (8) **lir anasyri pezy – lir maben pungu = tenem maben tyko**
- (9) **teri asym × trok = lir anasy maben ti**

(a) Write the equalities (1–9) in digits, given that **metsy maben ti** is 18.

(b) Write in Chungli Ao: 10, 31, 36, 58, 93.

If an exact expression cannot be determined from the given data, write out all possibilities.

△ Chungli is one of five dialects of the Ao language, which belongs to the Sino-Tibetan family. It is spoken by approx. 130,000 people in Nagaland, India.

ʏ is a vowel.

— Vlad A. Neacşu

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Good luck!