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Now there be a population of sixty thousand. The upper population be thirty thousand people, eating nine 升 each day; the middle population be twenty thousand people, eating seven 升 each day; and the lower population be ten thousand people, eating five 升 each day.

We ask: how much altogether eat the upper, middle and lower populations?

何? 問口二萬今

上、一萬人、有

中、萬人、日六

下人、日食萬

口日食九口、

共食七升、上

食五升、中口

幾升、下口三

Answer saith: four thousand six hundred 斛.

Method saith: put down each of the ~~quantity~~ population quantities, and multiply them by the quantity eaten each day. Of those obtained: combine them, and we are done.

$$30000 \times \frac{9 \text{ 升}}{\text{day}} + 20000 \times \frac{7 \text{ 升}}{\text{day}} + 10000 \times \frac{5 \text{ 升}}{\text{day}}$$

$$= \frac{460000 \text{ 升}}{\text{day}} = \frac{4600 \text{ 斛}}{\text{day}}$$

之、食術答
即之曰曰:
得數各四
乘置千
之口六
所數、百
得、以斛
并日

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