

A62 B160(55) C52244(3.10) D74

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Now there be silk fibre, ninety-one thousand, one hundred and thirty-five ft, given unto thirty-six thousand, four hundred and fifty-four households. We ask: how much receiveth each household?

Answer saith: two 斤 eight 兩.

Method saith: put down the ninety-one thousand, one hundred and thirty-five ft as the dividend, and use the thirty-six thousand, four hundred and fifty-four households as the divisor.

Dividing them, resulteth in two 斤, remainder eighteen thousand, two hundred and twenty-seven 斤.

Multiplying it by sixteen, resulteth in two hundred and ninety-one thousand, six hundred and thirty-two 兩.

Dividing it by the households, we are done.

This is the previous problem (Q 9) in reverse.

$$\frac{91135 \text{ 斤}}{36454 \text{ 戶}} = \frac{2 \text{ 斤}}{1 \text{ 戶}} + \frac{18227 \text{ 斤}}{36454 \text{ 戶}} \times \frac{16 \text{ 兩}}{1 \text{ 斤}}$$

$$= \frac{2 \text{ 斤} + 8 \text{ 兩}}{1 \text{ 戶}}$$

得千三今
幾四十有
何百五綿
五斤,九
十給萬
四與一
戶三千
間萬一
戶六百

三六萬四斤術答
十乘八戶為曰曰
二之千為實置二
兩得二法以九斤
以二百除三萬八
戶十二之萬一兩
除九十得六千
之萬七二千一
即一斤斤,四百
得千以不百三
六百一盡五十五

END 10