

A48 B157(152) C52204(2.25) D61

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Now we have the five ranks of the many lords,
sharing tangerines sixty, where a man ~~be~~
distinguished, three are added to his share.
We ask: how much receiveth each of the five men?

Answer saith:

the 公: eighteen tangerines; $n+15$ the 侯: fifteen tangerines; $n+12$ the 伯: twelve tangerines; $n+9$ the 子: nine tangerines; $n+6$ the 男: six tangerines; $n+3$

$$5n+45=60$$

$$5n=15$$

$$n=3$$

B has 得人三顆
for 人得三顆.

何問顆共今
 五人分有
 人別橘五
 各加子等
 得三六諸
 幾顆十侯

男子伯侯公答
 六九一一一曰

Method saith: first put down the number of
men. Separately add three tangerines below;
 next, six tangerines; next, nine tangerines; next,
 twelve tangerines; ~~added~~ ^{above} fifteen tangerines.
 Subsidiarily, combining them resulteth in forty-five.

顆顆顆
 十十十
 二五八
 顆顆顆

~~Using this to diminish the sixty~~

Diminishing the sixty tangerines

we by this: the remainder,

dividing it by the number of men,

each man receiveth three

tangerines. Adding this unto those

not contained: above we obtain

eighteen as the 公's share; next

we obtain fifteen as the 侯's share;

next we obtain twelve as the 伯's

share; next we obtain nine as the

子's share; below we obtain six as

the 男's share.

子得分, 不人得十於術
 分, 十次并數四二下, 曰:
 下二得者, 除十顆, 次先
 得為一上之, 五上六置
 六伯十得人以十顆, 人
 為分, 五一得減五次數,
 次為十三六顆九別
 得侯八顆十副顆, 加
 九分, 為各顆, 并次三
 為次公加餘, 之一顆

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