## A28 B153(148) C52139(24) D41

Vol. II 914

平以二,管多之今 Now we have one of three shares, two of three shares and three of 於益三旦益二有 fur shares. We got how much shall an diminish se greater to benefit to lesser, that they be 一三分减少四三 十分之四幾分分 lac 2 二之二分何之之 Answer saith: that diminshed of the three of four shares this; 分一、者之而三一 that of the two of three shares, 之而一三天問三 one; combined to benefit the one of three shares, that each 七各并者减分 be level at seven of well shaves

TOT: that they be level; or that it be fain

 $\frac{3}{4} - \frac{2}{12} = \frac{2}{3} - \frac{1}{12} = \frac{1}{3} + \frac{2H}{12} = \frac{7}{12}$ 

In modern notation, consider  $\frac{3}{4}$ ,  $\frac{5}{8}$ ,  $\frac{6}{5}$ , more generally. Their average  $3 m = \frac{aBC + bCA + cAB}{3ABC}$ , so

A - M = 3aBC - [aBC+LCA+cAB] 3ABC

according in the following:

A decrominators: A, B, C

I numerates: a, b, c

母互教: aBC, bCA, cAB

未并卷: ditto

副并将: aBC+6CA+cAB=63

The lare tridend: ditto

母相乘: ABC

3 & number of nows: 3

(Maintandla: columns); also non-desical HK)

等數: gd (3aBC, 3ABC, 平家)

20190702 Method saith: put the three shares, the three 以得乘左術 shares and the four shares on the right, 並九得方曰: the one of the two of and the three of on the left. The denominators, mutually 4 三約三母置 mulliplied with the numerators, combined 4 subsidianly, next in sixy-three, put to 分記。十五三 4 the night as the level dividend. -之诚六乘分、 The denominators multiplied with each other, -一、四為子三 result in thirty-on as the divisor. 1 Multiply those not you combined, and the divisor, by the number of rows 各分选副分、 -4 we obtain wine for their equal quantity . 平之以并四 find reducing they. That diminished of the three of 积三列得分 -four shares, is two; that diminished of 一者數六在 the two of three shares, one; combined to -十二三十右 bonefit the one of three shares, each level at seven of twelve shares. -二减乘三方, 母里非己 -0 a=1 A=3 aBC=12 b=2 B=3 bCA=24 +73分三未置之 -0 -之分并右一、 C=3 C=4 CBA=27)-平置 = 63 七之者為之 -日相東 = ABC = 36 = 进1 烈数=3 二及平二 - $3\begin{pmatrix} aBC\\ CBA \end{pmatrix} = \begin{pmatrix} 36\\ 72\\ 81 \end{pmatrix}$ . 平實 = 63 1 者进贯。之 -3选=1时, 一等母三 等數 - gcd (…, 平真, 3法) = 9 -约兹:  $3(184) \div 9 = (4)$  = 9 = 7 3 法  $\div 9 = 12$ . Thus level value is 7/12, and increment 7 - 4, 8, 9 = 43, -1, -2. Car. has of Takt. --END94 -

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