

2005年09月数学机经讨论稿第二篇 (41--65) PDF转换可能丢失图片或格式, 建议阅读原文

https://www.100test.com/kao_ti2020/165/2021_2022_2005_E5_B9_B409_E6_c89_165067.htm 41、GWD 6-37 42、A、B两个学生与其他3个学生坐成一排, 问中间要么坐A要么坐B的排列数 SA: 没有很理解题意 我的做法是 $P(4,4)*P(2,2)=48$ 43、长方形面积为4倍根3, 宽为对角线的一半, 问对角线长度 SA:4 对角线宽长构成 a 根3 * a $2a$ 42. 车行买一次算5, 卖一次算3, 最后车总数是14, 求买卖共几次. [答案: 6次.] feifei七: 39、一个出租车公司买入时(lots of five)一次买入5辆, 租出时(lots of 3)一次租出3辆, 如果买入5辆或租出3辆都算是一次, 并且去年增长了14辆车, 问一共是多少次。 A.3 B.4 C.5 D.6 E.7 流沙: 设买入的次数是 x , 卖出的次数是 y , 则 $5x-3y=14$ 。 $x=(14+3y)/5$, $3y$ 的个位数必须是6或者1, 所以 $y=2, 12, 27$ 等等。根据选项, y 只能为2, $x=4$ 。选D 45、老JJ: 退休占全部人员60%, 其中20%参加了健康计划, 健康计划的人占48%, 问健康计划人里退休人员所占比例 SA: $60%*20%/48%=25%$ 46、中号红衬衣所售数量是大号白衬衣的2倍, 中号白衬衣是大号白的3倍, 红卖了80, 白卖了190, 问共卖了多少中号的 SA: 应该是这样的题: 见稿三80 80. 一个店 sell medium and large 红衬衫还有 medium and large 白衬衫. It sold twice as many medium red shirts as large white shirts and 3 times as many medium white shirts as large red shirts. It sold 190 white shirts and 80 red shirts, how many medium shirts did it sell? (费了我很多时间, 因为我不确定那个 as many... as 到底是说哪个是哪个的多少倍, 于是算了两种可能, 最后选了个200, 不知道对不对) SA:200 suppose large red(lr)=x

$lw=y$ then $mr=2y$, $mw=3x$ x $2y=80$ y $3x=190$ 47、老JJ：一个车每小时跑300MILE，问多少秒跑220FEET（有公式）算比例的很多，数据充分性的题都不难。

<http://forum.chasedream.com/dispbbs.asp?boardID=22&page=1> 48. x,y,z,w , x is 20% greater than y , y is 20% greater than z , w is 20% less than x , how much percent greater of z is w ? SA: 15.2%

$(1.2*1.2*0.8-1)/1=15.2\%$ 49. one company is planing to display some boxes, the first layer is one, the laster layer has 81 boxes, and the every layer has one less row than the previous layer, and every layer has square shape, ask the total number of boxes. I think the answer is $9^2+8^2+7^2+6^2+5^2+4^2+3^2+2^2+1$ SA: agree

50. the problem about rent car, X company \$15/day, \$0.2/mile, the y company \$20/day, \$0.1/mile, asked if rent Xcompany ' s car one day, it will need \$25? SA: 应该是这样的题吧 192.从 A公司租一车,每天fixed charged 15刀,每跑一mile 0.2刀,B公司租一车,每天fixed charged 20刀,每跑一mile 0.1 刀问从A公司租的凉车,跑了 x miles,charge和25刀比 1. B公司租一辆,跑了 x miles,少于25刀 2. x 51. The toll for crossing a certain bridge is \$0.75 each crossing.

Drivers who frequently use the bridge may instead purchase a sticker each month for \$13.00 and then pay only \$0.30 each crossing during that month. If a particular driver will cross the bridge twice on each of x days next month and will not cross the bridge on any other day, what is the least value of x for which this driver can save money by using the sticker? A. 14 B. 15 C. 16 D. 28 E. 29 SA:B 100Test 下载频道开通, 各类考试题目直接下载。详细请访问

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