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# 数学高频易错题点题

主讲老师：李玲(Kathy)

GRE数学

- How many positive integers less than 100 have a remainder of 2 when divided by 13? (170机经 hard)
- A. 6
- B. 7
- C. 8
- D. 9
- E. 10



- 高频考点一：商和余数

- 注意陷阱：商可以为 0



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- $k$  and  $n$  are both even integers (2019.8.31考题)
- Quantity A: The remainder when  $(k+n)$  is divided by 2
- Quantity B: The remainder when  $(k^n)$  is divided by 2
- A. Quantity A is greater.
- B. Quantity B is greater.
- C. The two quantities are equal.
- D. The relationship cannot be determined from the information given.



- 高频考点一：商和余数

- 注意陷阱：商可以为 0

- 一个整数除以2余数只能是1（奇数）或0（偶数）

- 注意陷阱：0也是偶数



- 高频考点二：凑整

➤ 关键词：integers/positive integers/ different positive integers



- Both  $m$  and  $n$  are positive integers, and  $3m+4n=13$
- Quantity A:  $n$
- Quantity B: 2
- A. Quantity A is greater.
- B. Quantity B is greater.
- C. The two quantities are equal
- D. The relationship cannot be determined from the information given.





- The sum of three different positive integers is 11.
- Select two of the following statements that can identify the three numbers:

(2019.3.17/2019.7.5考题)

- A. None of those three can be 1
- B. None of those three can be 4
- C. None of those three can be 7
- D. None of those three can be 8



- $x$  and  $y$  are both integers,  $x^2 - y^2 = 27$

(2019.8.23 考题)

- Quantity A:  $x$
- Quantity B: 10
- A. Quantity A is greater.
- B. Quantity B is greater.
- C. The two quantities are equal.
- D. The relationship cannot be determined from the information given.



- $m$  and  $n$  are integers,  $3m + 4n = 10$  (2019.10.20考题)
- Quantity A:  $4m+3n$
- Quantity B: 10
- A. Quantity A is greater.
- B. Quantity B is greater.
- C. The two quantities are equal
- D. The relationship cannot be determined from the information given.



## • 高频考点二：凑整

- 关键词：integers/positive integers/ different positive integers
- 注意陷阱：考虑所有情况、正负问题



- 高频考点三：百分比
- 关键词：what percent of A is B?



Of the students in a school, 20 percent are in the science club and 30 percent are in the band. If 25 percent of the students in the school are in the band but are not in the science club, what percent of the students who are in the science club are not in the band? (170机经hard)

- A. 5%
- B. 15%
- C. 25%
- D. 60%
- E. 75%



Of the students in a school, 20 percent are in the science club and 30 percent are in the band. If 25 percent of the students in the school are in the band but are not in the science club, what percent of the students who are in the science club are not in the band? (170机经hard)

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B. 15%      what percent of the students who are in the science club are not in the band

C. 25%      what percent of the students in the school are in the science club not in the band

D. 60%

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- 高频考点三：百分比

- 关键词：what percent of A is B?
- 注意陷阱：总数悄悄地变了





- 高频考点三：百分比

- 关键词1：what percent of A is B?
- 注意陷阱：总数悄悄地变了
- 关键词2：A is x percent more than B



- Greg's weekly salary is \$187, which is 15 percent less than Karla's weekly salary. If Karla's weekly salary increases by 10 percent, by what percent must Greg's weekly salary increase in order to equal Karla's new weekly salary?
- Give your answer to the nearest tenth of a percent. (200机经 median)



- A 比B 多百分之x如何表示? (A is x percent more than B)

- $\frac{A-B}{B} = x\%$  or  $A = B(1 + x\%)$

- B 比A少几分之几如何表示? (B is x percent less than A)

- $\frac{A-B}{A} = x\%$  or  $B = A(1 - x\%)$





- Which of the following years have an percent increase over 6% compared to the preceding years? Indicate all such choices. (2019.10.20考题)
- A. 2001      B. 2002      C. 2003      D. 2004      E. 2005      F. 2006



- 高频考点四：排列组合—捆绑
- 关键词：cannot be separated/together



- In how many ways can three couples sit in a row such that each couple sit together? (2018.9.28/2018.11.3/2019.6.4考题)



- 高频考点四：排列组合—捆绑
- 关键词：cannot be separated/together
- 解法：1) 捆绑元素视为一个整体；  
2) 先外部顺序相乘，再乘内部顺序



## ◆总结

- 商和余数：商可以是0
- 奇偶：0也是偶数
- 凑整：枚举、注意正负
- 百分比：注意分母





# 考满分 GRE 系列课程

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- 3、7天无理由退费
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帮助学生思路纠偏



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# 考满分 GRE 系列课程

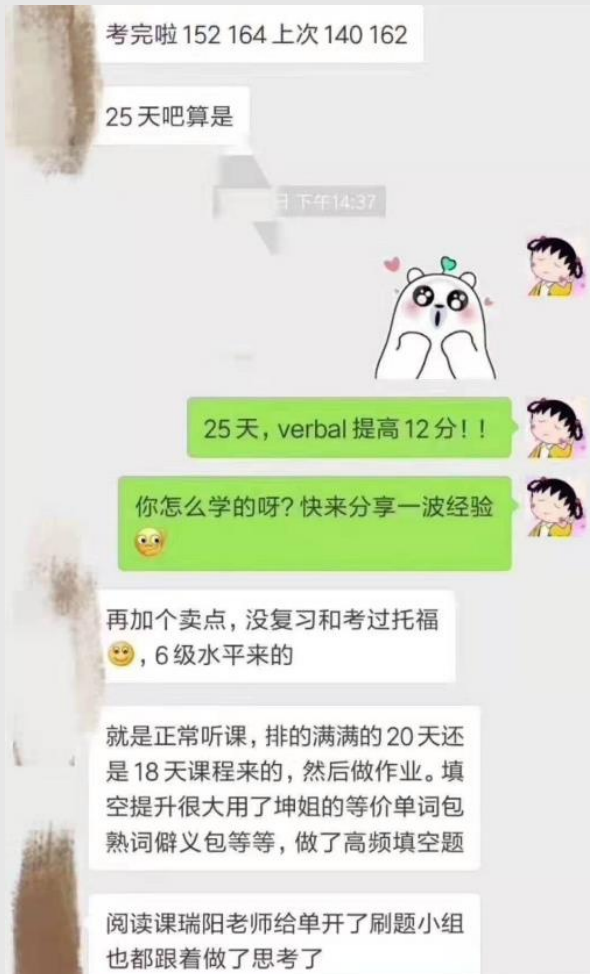
项目	ViS全程班	12人冲分班	VIP
人数	70	12	1
时长	15天/科	15天/科	定制
形式	直播+视频+在线练习	直播+视频+在线练习	直播+视频+在线练习+模考
内容	知识点、方法论、题目串讲	知识点、方法论、题目串讲	定制
服务	主讲答疑、辅导监督、班级群	阶段测评、主讲答疑、辅导监督、班级群	定制
定位	方法论+针对练习	方法论+高频互动+难度分层练习	全面定制+过程跟盯+高效反馈



# 高分学员榜

## GRE全程班学员

首战302，25天备考，Verbal  
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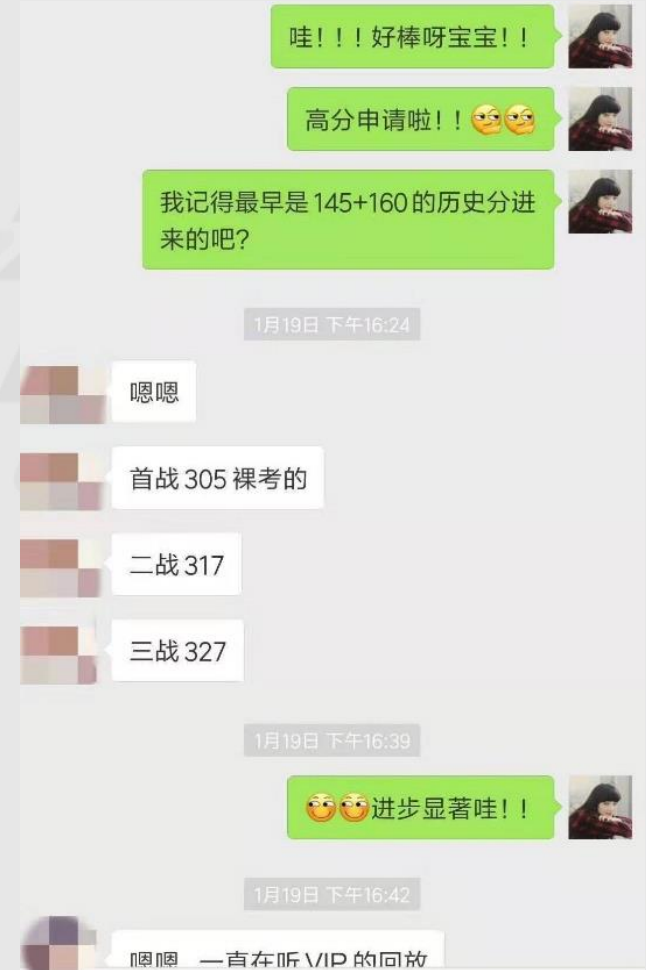
## GRE12人小班学员

小白起步一次上155, 最终V155  
Q170分手!



## GRE1V1学员

自己首考 305, 认真听课, 次  
次有提高, 三战 **327** 分手!



# 年底冲刺出分，万圣狂欢再送大礼

➤ 李玲老师：

- 全程班：11月4日 开课
- 12人小班填空：11月14日 开课



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