



GMAT Security

Lawrence Rudner, Ph.D., M.B.A.
Vice President, Research & Development & Chief Psychometrician
Graduate Management Admission Council



GMAT Security

- Why we care
- Imposters
- Cheaters
 - Harvesters
 - Posters (websites)
 - Recipients



Case Law (Langston v. ACT and Murray v. ETS)

- Test-takers are entitled to assurance that no examinee enjoys an unfair advantage in scoring.
- A test sponsor has an obligation to provide, or use its best efforts to provide, only valid scores to colleges and universities.
- Test sponsors have the right to protect their own reputation by assuring the reliability of the information it provides.
- If a test publisher reasonably believes that a test score is inaccurate, it has the right to protect its own image by cancelling scores.



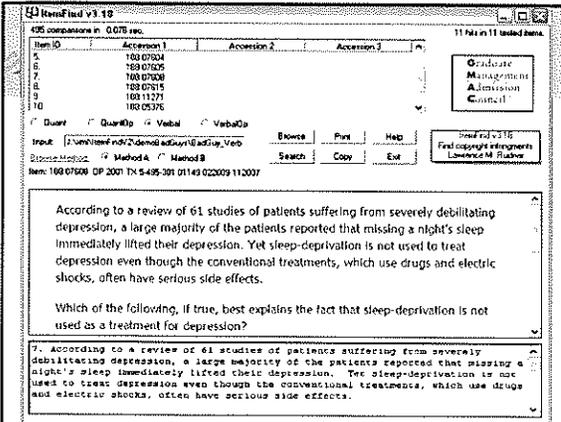
Thwarting Imposters

- Data Forensics
- Protocol
- Fingerprints
- Score Reports
- Palm Vein Reader




Thwarting Cheaters -

- Secret Shoppers
- Data Forensics
- ItemFind
- Penalties



ItemFind v3.10
435 comparisons in 0.078 sec. 11 files in 11 loaded files.

Item ID	Accession 1	Accession 2	Accession 3
4	100 07034		
5	100 07026		
7	100 07020		
8	100 07015		
9	100 11271		
10	100 05376		

Group: [] Quasi [] Verbal [] Verbal
 Input: [] Verbal
 Status: Method [] Method A [] Method B
 Item: 100 07026 DP 2001 TN 5-495-301 01143 022009 112007

Find copyright infringements
Lawrence M. Rudner

According to a review of 61 studies of patients suffering from severely debilitating depression, a large majority of the patients reported that missing a night's sleep immediately lifted their depression. Yet sleep-deprivation is not used to treat depression even though the conventional treatments, which use drugs and electric shocks, often have serious side effects.

Which of the following, if true, best explains the fact that sleep-deprivation is not used as a treatment for depression?

7. According to a review of 61 studies of patients suffering from severely debilitating depression, a large majority of the patients reported that missing a night's sleep immediately lifted their depression. Yet sleep-deprivation is not used to treat depression even though the conventional treatments, which use drugs and electric shocks, often have serious side effects.

Copyright © 2005-2009, GMAC® U.S. Pat. No. 7,542,009

 **What is to be gained?**

Possible Gain - 5 items; Verbal

Ability	≤ 1	0	1	2	≥ 3
Low	0.5%	93.9%	3.2%	1.5%	0.9%
Medium	0.4%	94.9%	2.0%	1.5%	1.2%
High	0.2%	95.6%	2.3%	1.3%	0.6%
All	0.4%	94.8%	2.5%	1.4%	0.9%

 **Summary**

- GMAC is serious
- Risk is real and severe
- Likely gains are minimal