



Comparing MAT[®] to GRE[®] Scores

The many graduate schools and programs that accept either *Miller Analogies Test*[®] (MAT) or *Graduate Record Examinations*[®] (GRE) scores as part of their admission requirements may find it useful to be able to compare scores from these two tests. One way to make these comparisons is through the psychometric analysis known as linear equating, which uses scaled score means (MAT Total Group = 399.8; GRE—V = 462; GRE—Q = 584) and standard deviations (MAT Total Group = 25.2; GRE—V = 119; GRE—Q = 151) to determine equivalencies between scores from different tests. The reasonableness of this analysis is based on assumptions of similarity: both the MAT and GRE are standardized tests designed to assess cognitive abilities of graduate school applicants that are related to subsequent academic success.

The score comparisons in the following tables are based on information published by NCS Pearson, Inc. in the *Miller Analogies Test Technical Manual: A Guide to Interpretation* (2008) and by the Educational Testing Service in the publication *GRE[®] 2008–09 Guide to the Use of Scores* (2008). Because the analogy items on the MAT are most similar in content to items on the GRE—Verbal, comparisons between these two scores are more reliable than comparisons between the MAT and the GRE—Quantitative. Also, no comparisons are attempted between the MAT scaled scores and GRE—Analytic Writing scores, which are reported on a holistic 6-point scale that would make comparisons misleading.

MAT		GRE—V	
SS	PR	SS	PR
344	1	200	
349	1	220	
353	2	240	1
357	3	260	2
361	5	280	4
365	7	300	7
370	11	320	12
374	15	340	17
378	20	360	22
382	26	380	27
387	34	400	33
391	40	420	38
395	46	440	44
399	52	460	50
404	59	480	55
408	65	500	61
412	71	520	66
416	76	540	71
421	81	560	77
425	85	580	81
429	88	600	85
433	90	620	89
437	92	640	91
442	94	660	94
446	96	680	96
450	97	700	97
454	97	720	98
459	98	740	99
463	99	760	99
467	99	780	99
471	99	800	99

MAT		GRE—Q	
SS	PR	SS	PR
336	1	200	
339	1	220	1
342	1	240	1
346	1	260	2
349	1	280	3
352	1	300	4
356	2	320	6
359	4	340	7
362	5	360	9
366	8	380	11
369	10	400	13
372	13	420	16
376	17	440	18
379	22	460	21
382	26	480	24
386	32	500	28
389	37	520	32
392	41	540	35
396	47	560	40
399	52	580	44
402	56	600	48
406	62	620	53
409	67	640	58
412	71	660	63
416	76	680	67
419	79	700	72
422	82	720	76
426	86	740	81
429	88	760	86
433	90	780	90
436	92	800	94

Selected MAT to GRE—Verbal (V) and GRE—Quantitative (Q) Scaled Score (SS) and Percentile Rank (PR) Comparisons

Need more information about the MAT? Visit MillerAnalogies.com and download a FREE Candidate Information Booklet

ISBN 999-8-726-28-X
9 789998 726284



PsychCorp[™] products are now part of Pearson

PsychCorp.com • 800.622.3231

