



Comparing MAT to GRE® Scores 2020–21

The many graduate schools and programs that accept either *Miller Analogies Test* (MAT) or *Graduate Record Examinations*® (GRE) General Test 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 by simply displaying side-by-side scaled score to percentile rank relationships for the MAT and the GRE. The reasonableness of this comparison is based on the assumption that candidates taking both the MAT and the GRE General Test are from the same pool of graduate school applicants.

The scaled score to percentile information shown in the table below is based on current normative data published in the 2021 edition of the *MAT Technical Manual* and the 2020–21 edition of the *GRE Guide to the Use of Scores* (Educational Testing Service, 2020). The analogy content included on the MAT is more similar to the content on the GRE Verbal Reasoning subtest than to the content on either the Quantitative Reasoning or the Analytical Writing subtest. For this reason, the table provides score comparisons only for the MAT Total Group (scaled score range = 200–600; mean = 396.0; standard deviation = 23.2) and the GRE Verbal Reasoning subtest (scaled score range = 130–170; mean = 150.37; standard deviation = 8.49).

Due to limitations inherent in any method used to determine scaled score comparisons from two different tests, the scores cannot be assumed to be perfectly equivalent or interchangeable. One limitation relates to differences in item formats included on the two tests, with the MAT composed entirely of analogy items and the GRE Verbal Reasoning subtest consisting of reading comprehension, text completion, and sentence equivalence items. Another limitation relates to content, with the MAT including a few analogy items with numerals or other math symbols and the GRE Verbal Reasoning subtest containing only verbal items. Nevertheless, both assessments are intended to assess candidates' ability to comprehend, analyze, evaluate, and make inferences from concepts represented as text. The score comparisons displayed here can thus be useful in comparing a score earned on one test with a score earned on the other, which may be helpful in assessing candidates applying to a graduate program.



MAT Total Group to GRE Verbal Reasoning (VR) Scaled Score and Percentile Rank Comparisons

Percentile rank	Scaled scores		Percentile rank	Scaled scores		Percentile rank	Scaled scores	
	MAT	GRE: VR		MAT	GRE: VR		MAT	GRE: VR
1	200–354	131	34	—	—	67	404	155
2	355–357	132–133	35	385	—	68	405	—
3	358–359	134	36	—	148	69	406	—
4	360–361	135	37	386	—	70	—	—
5	362–363	136	38	387	—	71	407	—
6	364	137	39	—	—	72	408	156
7	365–366	—	40	388	149	73	—	—
8	367	138	41	—	—	74	409	—
9	368	139	42	389	—	75	410	157
10	369	—	43	390	—	76	411	—
11	370	140	44	—	—	77	412	—
12	—	—	45	391	150	78	413	—
13	371	—	46	—	—	79	414	158
14	372	141	47	392	—	80	415	—
15	—	—	48	393	—	81	416	—
16	373	142	49	—	—	82	417	159
17	374	—	50	394	151	83	418	—
18	375	—	51	—	—	84	419	—
19	376	143	52	395	—	85	420	160
20	—	—	53	—	152	86	421	—
21	377	—	54	396	—	87	422–423	—
22	—	144	55	397	—	88	424	161
23	378	—	56	—	—	89	425–426	—
24	—	—	57	398	—	90	427	162
25	379	145	58	—	—	91	428–429	—
26	380	—	59	399	153	92	430–431	163
27	—	—	60	400	—	93	432–433	—
28	381	146	61	—	—	94	434–436	164
29	382	—	62	401	—	95	437–439	—
30	—	—	63	—	154	96	440–443	165
31	383	—	64	402	—	97	444–447	166
32	—	147	65	403	—	98	448–452	167–168
33	384	—	66	—	—	99	453–600	169–170