The *Journal* publishes articles from around the world, where standards for measuring visual acuity vary. This table will help readers interpret visual acuity findings in familiar units.

Visual Acuity Conversion Chart*

Distance			LogMAR Acuity Chart				Near				
Snellen Feet 20/	Equivalent Meter 6/	Decimal	Line Number	LogMAR†	Spatial Frequency (cyc/deg)	% Central Visual Efficiency	Jaeger Standard	Inches (14/)	Centimeters (35/)	Revised American Point-Type	"M" Notation
10	**3.0**	**2.00**	**-3**	**-0.30**	**60.00**	**100**	**—**	**7.0**	**17.5**	**—**	**0.20**
12.5	**3.8**	**1.60**	**-2**	**-0.20**	**48.00**	**100**	**—**	**8.8**	**21.9**	**—**	**0.25**
16	**4.8**	**1.25**	**-1**	**-0.10**	**37.50**	**100**	**—**	**11.2**	**28.0**	**—**	**0.32**
20	**6.0**	**1.00**	**0**	**0.00**	**30.00**	**100**	**1**	**14.0**	**35.0**	**3**	**0.40**
25	**7.5**	**0.80**	**1**	**0.10**	**24.00**	**95**	**2**	**17.5**	**43.8**	**4**	**0.50**
30	9.0	0.67	—	0.18	20.00	91	3	21.0	52.5	5	0.60
32	**9.6**	**0.63**	**2**	**0.20**	**18.75**	**90**	**4**	**22.4**	**56.0**	**6**	**0.64**
40	**12.0**	**0.50**	**3**	**0.30**	**15.00**	**85**	**5**	**28.0**	**70.0**	**7**	**0.80**
50	**15.0**	**0.40**	**4**	**0.40**	**12.00**	**75**	**6**	**35.0**	**87.5**	**8**	**1.0**
60	18.0	0.33	—	0.48	10.00	67	7	42.0	105.0	9	1.2
63	**18.9**	**0.32**	**5**	**0.50**	**9.52**	**65**	**8**	**44.1**	**110.3**	**10**	**1.3**
70	21.0	0.29	—	0.54	8.57	63	—	49.0	122.5	—	1.4
80	**24.0**	**0.25**	**6**	**0.60**	**7.50**	**60**	**9**	**56.0**	**140.0**	**11**	**1.6**
100	**30.0**	**0.20**	**7**	**0.70**	**6.00**	**50**	**10**	**70.0**	**175.0**	**12**	**2.0**
114	34.2	0.18	—	0.76	5.26	44	11	79.8	199.5	13	2.3
125	**37.5**	**0.16**	**8**	**0.80**	**4.80**	**40**	**12**	**87.5**	**218.8**	**14**	**2.5**
150	45.0	0.13	—	0.88	4.00	32	—	105.0	262.5	—	3.0
160	**48.0**	**0.13**	**9**	**0.90**	**3.75**	**30**	**13**	**112.0**	**280.0**	**21**	**3.2**
200	**60.0**	**0.10**	**10**	**1.00**	**3.00**	**20**	**14**	**140.0**	**350.0**	**23**	**4.0**

**Courtesy Jack Holladay, MD, modified from full Holladay table. For full table, visit www.journalofrefractivesurgery.com*
†Log minimum angle of resolution; bold values are standard logMAR progression.
Note: 20/2000 is equivalent to count fingers @ 2 feet; 20/20000 is equivalent to hand motion @ 2 feet

Resources
1. *Sloan LL. New test charts for the measurement of visual acuity. Am J Ophthalmol. 1959;48:808-813.*
2. *Report of Working Group 39, Committee of Vision, National Academy of Sciences. Recommended standard procedures for the clinical measurement and specification of visual acuity. Adv Ophthalmol. 1980;41:103-143.*
3. *Keeney AH. Durerson HL Jr. Collated near-vision test card. Am J Ophthalmol. 1958;46:592-594.*
4. *Keeney AH. Ocular Examination: Basis and Techniques. 2nd ed. St Louis, MO: CV Mosby Co; 1976.*
5. *Newell FW. Ophthalmology: Principles and Concepts. 7th ed. St Louis, MO: CV Mosby Co; 1992.*
6. *Frisen L. Clinical Tests of Vision. New York, NY: Raven Press; 1990.*
7. *Holladay JT. Proper method for calculating average visual acuity. J Refract Surg. 1997;13:388-391.*

Revised Visual Acuity Abbreviations*

UDVA	uncorrected distance visual acuity
UIVA	uncorrected intermediate visual acuity
UNVA	uncorrected near visual acuity
CDVA	corrected distance visual acuity
CIVA	corrected intermediate visual acuity
CNVA	corrected near visual acuity
DCNVA	distance-corrected near visual acuity

**Kohnen T. New abbreviations for visual acuity values (editorial). J Cataract Refract Surg. 2009;35:1145.*