Decimal term	Abbreviation	Value	Binary term	Abbreviation	Value	% Larger
kilobyte	KB	1000^1	kibibyte	KiB	2^{10}	2%
megabyte	MB	1000^2	mebibyte	MiB	2^{20}	5%
gigabyte	GB	1000^3	gibibyte	GiB	2^{30}	7%
terabyte	TB	1000^4	tebibyte	TiB	2^{40}	10%
petabyte	PB	1000^5	pebibyte	PiB	2^{50}	13%
exabyte	EB	1000^6	exbibyte	EiB	2^{60}	15%
zettabyte	ZB	1000^7	zebibyte	ZiB	2^{70}	18%
yottabyte	YB	1000^8	yobibyte	YiB	2^{80}	21%
ronnabyte	RB	1000^9	robibyte	RiB	2^{90}	24%
queccabyte	QB	1000^{10}	quebibyte	QiB	2^{100}	27%

FIGURE 1.1 The 2^X vs. 10^Y bytes ambiguity was resolved by adding a binary notation for all the common size terms. In the last column we note how much larger the binary term is than its corresponding decimal term, which is compounded as we head down the chart. These prefixes work for bits as well as bytes, so *gigabit* (Gb) is 10^9 bits while *gibibits* (Gib) is 2^{30} bits. The society that runs the metric system created the decimal prefixes, with the last two proposed only in 2019 in anticipation of the global capacity of storage systems. All the names are derived from the entymology in Latin of the powers of 1000 that they represent.