

Primitive Data Types in Java

Type	Declaration	Size	Range	Default Value
Integers	byte	8 bits	From (-2^7) to $(2^7 - 1)$	0
	short	16 bits	From (-2^{15}) to $(2^{15} - 1)$	0
	int	32 bits	From (-2^{31}) to $(2^{31} - 1)$	0
	long	64 bits	From (-2^{63}) to $(2^{63} - 1)$	0
Fractions	float	32 bits	(Approx.) $\pm 3.40 * 10^{38}$ (Max. 7 digits after decimal point)	0.0f
	double	64 bits	(Approx.) $\pm 1.79 * 10^{308}$ (Max. 15 digits after decimal point)	0.0d
Characters	char	16 bits	Any single character	'\u0000' (null character)
Boolean	boolean	1 bit	true or false	FALSE