# Java Integer Data Types

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|---|---|---|---|
| **byte** | $-2^7$<br>-128 | to | $2^7 - 1$<br>127 | **8 bits** |
| **short** | $-2^{15}$<br>-32,768 | to | $2^{15} - 1$<br>32,767 | **16 bits** |
| **int** | $-2^{31}$<br>-2,147,483,648 | to | $2^{31} - 1$<br>2,147,483,647 | **32 bits** |
| **long** | $-2^{63}$<br>-9,223,372,036,854,775,808 | to | $2^{63} - 1$<br>9,223,372,036,854,775,807 | **64 bits** |