

## Dictionaries and Lists

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We'll be comparing and showing runtimes of list and dictionary functions. It'll be split into 3 parts: dictionaries, lists, and the common functions between them. The dictionary and list sections will simply report runtimes of functions on various inputs. The common functions will compare the two.

### Lists

### Dictionaries

Dictionaries have 4 functions that are not shared with lists.

At 200,000 key/value pairs, the slowest operation was grabbing the items (`items`) at 0.31 seconds, followed by grabbing all values (`values`), which took 0.21 seconds. Grabbing just the keys (`keys`), however, took only 0.069 seconds, which is an order of magnitude faster than either other operation; it seems grabbing keys is much easier than grabbing their values, suggesting that the only way to grab a value is through its key (or else accessing keys and values should take around the same time). The fastest function was the `get` function, at only 0.052 seconds, faster by a small margin than grabbing all keys. The `get` function provides a specific key/value pair, grabbed by key.

### Common