

# LaTeX Guide for when I forget: Lists

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# 1 Unordered

## 1.1 Bullets

- item one
- item two
- item three

```
1 \begin{itemize}
2 \item item one
3 \item item two
4 \item item three
5 \end{itemize}
```

## 1.2 Customized Text

One item one

Two item two

Three item three

```
1 \begin{itemize}
2 \item[One] item one
3 \item[Two] item two
4 \item[Three] item three
5 \end{itemize}
```

# 2 Ordered

Requires `enumitem` package

## 2.1 Numeric

### 2.1.1 Default

1. item one
2. item two
3. item three

```
1 \begin{enumerate}
2 \item item one
3 \item item two
4 \item item three
5 \end{enumerate}
```

### 2.1.2 Customized

- (1) item one
- (2) item two
- (3) item three

```
1 \begin{enumerate}[label=(\arabic*)]
2 \item item one
3 \item item two
4 \item item three
5 \end{enumerate}
```

## 2.2 Letters

### 2.2.1 Uppercase

- A. item one
- B. item two
- C. item three

```
1 \begin{enumerate}[label=\Alph*.]
2 \item item one
3 \item item two
4 \item item three
5 \end{enumerate}
```

### 2.2.2 Lowercase

- a. item one
- b. item two
- c. item three

```

1 \begin{enumerate}[label=\alph*.]
2 \item item one
3 \item item two
4 \item item three
5 \end{enumerate}

```

## 2.3 Spacing

### 2.3.1 Definitions

- `\itemsep` vertical space added **after** each item in the list
- `\topsep` vertical space added **above and below** the list
- `\parsep` vertical space added **after** each paragraph in the list, I think each item is treated like a new paragraph so I usually add both `\itemsep` and `\parsep`
- `\parttopsep` vertical space added **above and below** the list, but only if the lists starts a new paragraph

### 2.3.2 Visual Example

1. item one  
new paragraph
2. item two
3. item three

1. item one  
new paragraph
2. item two
3. item three

```

1 \begin{enumerate}[itemsep=0pt,
2                             parsep=0pt]
3 \item item one
4 \item item two
5 \item item three
6 \end{enumerate}

```

```

1 \begin{enumerate}[itemsep=10pt,
2                             parsep=10pt]
3 \item item one
4 \item item two
5 \item item three
6 \end{enumerate}

```

## 3 Links that were helpful

StackExchange: how to change itemize bullets with specific alphabet

TeXfaq: how to adjust list spacing

StackExchange: what do topsep, itemsep, parttopsep, and parsep mean?