

# AriksWorld - Clock No. 13

## Word Clock

Thank you for visiting AriksWorld and using my free clocks! This first clock is a simple and easy-to-use **word clock**, designed for both functionality and elegance.

I love clocks. To me, they are more than just tools for telling time - they are beautiful design elements that can enhance any space, whether physical or digital. Clocks bring a sense of order and rhythm to our lives, subtly reminding us of the passage of time while adding a touch of sophistication.

In web design, clocks serve both aesthetic and practical purposes. They create an engaging, interactive experience for users, making a website feel more dynamic and alive. A clock can also tell a story about the website and its owners. For example, a binary clock might reflect a preference for mathematics or programming. A well-designed clock can reinforce a brand's identity, provide real-time updates, and improve usability by helping users keep track of time while browsing. Whether minimalist, artistic, or highly functional, clocks add a timeless appeal to any digital interface.

Developing all these clocks wasn't an easy task. At times, I had to switch from CSS-based design to SVG design. However, the tools used should not affect your experience with each clock. I truly hope you enjoy every single one!

### Word Clock

<b>IT</b>	<b>IS</b>	A
FIVE	TEN	QUARTER
<b>TWENTY</b>	TWENTY FIVE	HALF
<b>PAST</b>	TO	O'CLOCK
<b>ONE</b>	TWO	THREE
FOUR	FIVE	SIX
SEVEN	EIGHT	NINE
TEN	ELEVEN	TWELVE

(Rounded for the nearest 5 Minutes)

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## How to Use This Clock

You can use this clock on your computer by running the core HTML file in your browser. You can also add it to your website. However, integrating this clock into a website requires some understanding of HTML, CSS, and JavaScript. If you're not familiar with these, you can seek help from AI tools or online resources. You can also use an `<iframe>` to embed the clock into your existing HTML design. In my opinion, starting with this ready-made clock is a better approach than building one from scratch.

### Here's how to get started:

1. **Try It Out First** – Copy the core HTML code into a new file on your computer (e.g., `clock.html`) using a text editor like Notepad++. Then, open the file in your browser to see how the clock works. If all you need is a clock for personal use on your computer, you can skip ahead to the next section.
2. **Embed with an iframe (Optional and Easy!)** - If you're looking for the easiest way to display this clock on your website without editing your existing HTML too much, using an `iframe` is a great solution. It allows you to embed the clock just like you would embed a YouTube video.

Here's how to do it:

1. First, upload the clock HTML file (e.g., `clock.html`) to your web server or hosting platform.
2. Then, copy and paste the following `iframe` code into your webpage where you want the clock to appear:

```
<iframe src="clock.html" width="300" height="120" style="border:none;"></iframe>
```

#### Note:

- Adjust the width and height values as needed to fit your design.
- Make sure the `src` attribute correctly points to the location of your uploaded clock file.
- If you're using an external service (like GitHub Pages or another file host), replace `clock.html` with the full URL.

This method requires **zero CSS or JavaScript editing**, making it perfect for quick use or adding the clock to platforms with limited design access. Once you've made your adjustments, save the file, upload it to your server, and enjoy your customized clock!

3. **Integrate It into Your Website** – If you like how the clock looks, you can:
  - **Embed it into an existing webpage** by copying the relevant `<div>` and JavaScript sections into your website's HTML file. Be mindful of CSS styles to avoid conflicts with your existing design.
  - **Use it as a foundation for a new webpage** by building around this structure.
  
4. **Adjust the Placement** – You'll likely want to position the clock differently to fit your website's layout. This can be done using CSS styles such as `position`, `margin`, or `flexbox`.
  
5. **Customize the Look** – You might want to tweak the design elements, including:
  - **Background color** – Match it with your website's theme.
  - **Clock hands (if applicable)** – Modify their color, thickness, or style.
  - **Clock size** – Scale it up or down based on your needs.
  
6. **Clean Up the Code** – If you're adding this clock to an existing site, remove any redundant or conflicting code, such as extra `<head>` sections or duplicate CSS rules.

### **Here is the HTML core code:**

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <title>AriksWorld - Word Clock</title>

  <style>

    /* Basic reset */

    * {

      margin: 0;

      padding: 0;
```

```
    box-sizing: border-box;
}

body {
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
    font-family: Arial, sans-serif;
    background: #f0f0f0;
    min-height: 100vh;
}

h1 {
    color: #444;
    margin-bottom: 20px;
}

/* Container for the word grid */
.word-grid {
    display: grid;
    grid-template-columns: repeat(3, auto);
    gap: 10px 20px;
    text-transform: uppercase;
    font-weight: bold;
```

```
font-size: 1.2rem;

color: #aaa; /* default un-highlighted color */

margin-bottom: 20px;

}

/* Each word is a .word. We'll highlight them in JS */

.word {

  transition: color 0.3s;

}

/* The highlight class changes color to something more visible */

.highlight {

  color: #d00;

}

/* Footer note/link */

.note {

  font-size: 1rem;

  color: #666;

}

.note a {

  color: #007BFF;

  text-decoration: none;

}

.note a:hover {
```

```
    text-decoration: underline;
}
</style>
</head>
<body>

<h1>Word Clock</h1>

<!-- The word grid. Each word is placed in a <span> with a distinct class. -->
<div class="word-grid" aria-live="polite">

  <!-- "IT IS" always present -->
  <span class="word it"    >IT</span>
  <span class="word is"    >IS</span>
  <span class="word a"     >A</span>

  <!-- Phrases for minutes (FIVE, TEN, QUARTER, TWENTY, HALF, etc.) -->
  <span class="word fiveM"  >FIVE</span>
  <span class="word tenM"   >TEN</span>
  <span class="word quarter" >QUARTER</span>
  <span class="word twenty"  >TWENTY</span>
  <span class="word twentyfive" >TWENTY FIVE</span>
  <span class="word half"   >HALF</span>

  <!-- "PAST" / "TO" / "O'CLOCK" -->
  <span class="word past"   >PAST</span>
```

<span class="word to" >TO</span>

<span class="word oclock" >O'CLOCK</span>

<!-- Hours (12-hour cycle). We'll highlight only one at a time. -->

<span class="word one" >ONE</span>

<span class="word two" >TWO</span>

<span class="word three" >THREE</span>

<span class="word four" >FOUR</span>

<span class="word fiveH" >FIVE</span>

<span class="word six" >SIX</span>

<span class="word seven" >SEVEN</span>

<span class="word eight" >EIGHT</span>

<span class="word nine" >NINE</span>

<span class="word tenH" >TEN</span>

<span class="word eleven" >ELEVEN</span>

<span class="word twelve" >TWELVE</span>

</div>

<div class="note">

(Rounded for the nearest 5 Minutes)

</div>

<br>

<div class="note">

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<a href="https://ariksworld.com" target="\_blank">AriksWorld</a>

</div>

```
<script>
```

```
/*
```

```
We'll highlight words in 5-minute increments:
```

```
0..2 => [o'clock]
```

```
3..7 => [five, past]
```

```
8..12 => [ten, past]
```

```
13..17 => [quarter, past]
```

```
18..22 => [twenty, past]
```

```
23..27 => [twenty five, past]
```

```
28..32 => [half, past]
```

```
33..37 => [twenty five, to]
```

```
38..42 => [twenty, to]
```

```
43..47 => [quarter, to]
```

```
48..52 => [ten, to]
```

```
53..57 => [five, to]
```

```
58..59 => [o'clock] (next hour)
```

```
*/
```

```
// Helper: unhighlight all words
```

```
function resetHighlights() {
```

```
    const allWords = document.querySelectorAll('.word');
```

```
    allWords.forEach(w => w.classList.remove('highlight'));
```

```
}
```

```
function highlightWord(className) {  
    const elem = document.querySelector(`.${className}`);  
    if (elem) {  
        elem.classList.add('highlight');  
    }  
}
```

```
function updateWordClock() {  
    const now = new Date();  
    // 24-hour to 12-hour  
    let hours = now.getHours(); // 0..23  
    const minutes = now.getMinutes();  
    // We'll do 12-hour cycle  
    if (hours === 0) {  
        hours = 12;  
    } else if (hours > 12) {  
        hours = hours - 12;  
    }  
  
    // Round minutes to 5-min increments  
    const minRange = minutes % 60; // 0..59  
    // We'll define boundaries as above  
    // 1) Clear everything  
    resetHighlights();  
    // 2) "IT IS" always highlighted
```

```
highlightWord('it');

highlightWord('is');

// We'll figure out if it's "past" or "to" next hour, or "o'clock"

let adjustedHour = hours; // might increment if we say "TO next hour"

let mm5 = minRange; // minutes in [0..59]

// If mm5 >= 58, we do "o'clock", next hour

if (mm5 >= 58) {

    // nearly next hour

    mm5 = 0;

    adjustedHour = (hours % 12) + 1; // next hour in 12-hour cycle

    if (adjustedHour === 13) adjustedHour = 1;

    highlightWord('oclock');

} else if (mm5 <= 2) {

    // exactly hour

    highlightWord('oclock');

    mm5 = 0;

} else if (mm5 >= 3 && mm5 <= 7) {

    highlightWord('fiveM');

    highlightWord('past');

    mm5 = 5;

} else if (mm5 >= 8 && mm5 <= 12) {

    highlightWord('tenM');

    highlightWord('past');

    mm5 = 10;

} else if (mm5 >= 13 && mm5 <= 17) {
```

```
highlightWord('quarter');

highlightWord('past');

mm5 = 15;

} else if (mm5 >= 18 && mm5 <= 22) {

highlightWord('twenty');

highlightWord('past');

mm5 = 20;

} else if (mm5 >= 23 && mm5 <= 27) {

highlightWord('twentyfive');

highlightWord('past');

mm5 = 25;

} else if (mm5 >= 28 && mm5 <= 32) {

highlightWord('half');

highlightWord('past');

mm5 = 30;

} else if (mm5 >= 33 && mm5 <= 37) {

highlightWord('twentyfive');

highlightWord('to');

mm5 = 25;

adjustedHour = (hours % 12) + 1;

if (adjustedHour === 13) adjustedHour = 1;

} else if (mm5 >= 38 && mm5 <= 42) {

highlightWord('twenty');

highlightWord('to');

mm5 = 20;
```

```

adjustedHour = (hours % 12) + 1;

if (adjustedHour === 13) adjustedHour = 1;

} else if (mm5 >= 43 && mm5 <= 47) {

highlightWord('quarter');

highlightWord('to');

mm5 = 15;

adjustedHour = (hours % 12) + 1;

if (adjustedHour === 13) adjustedHour = 1;

} else if (mm5 >= 48 && mm5 <= 52) {

highlightWord('tenM');

highlightWord('to');

mm5 = 10;

adjustedHour = (hours % 12) + 1;

if (adjustedHour === 13) adjustedHour = 1;

} else if (mm5 >= 53 && mm5 <= 57) {

highlightWord('fiveM');

highlightWord('to');

mm5 = 5;

adjustedHour = (hours % 12) + 1;

if (adjustedHour === 13) adjustedHour = 1;

}

// 3) Highlight the correct hour

switch (adjustedHour) {

case 1: highlightWord('one'); break;

case 2: highlightWord('two'); break;

```

```
    case 3: highlightWord('three'); break;
    case 4: highlightWord('four'); break;
    case 5: highlightWord('fiveH'); break;
    case 6: highlightWord('six'); break;
    case 7: highlightWord('seven'); break;
    case 8: highlightWord('eight'); break;
    case 9: highlightWord('nine'); break;
    case 10: highlightWord('tenH'); break;
    case 11: highlightWord('eleven'); break;
    case 12: highlightWord('twelve'); break;
  }
}

// Update every 30 seconds is usually enough for a word clock,
// but we can do every 10s or every minute. We'll do every 10s:
setInterval(updateWordClock, 10_000);

// Initialize immediately
updateWordClock();

</script>

</body>

</html>
```

At AriksWorld, we believe in making technology fun, simple, and accessible. This clock is just one of the many free tools we offer. Whether you're looking for unique clocks, interactive games, engaging eBooks, or creative tools, we might have something for you.

Beyond that, we are continuously developing new content, adding more free tools, eBooks, and clocks. I encourage you to visit [AriksWorld.com](http://AriksWorld.com) from time to time to explore what's new. Most of our content is completely free - **no cost, no registration, no hassle!**

While all my free tools are great (in my opinion), let me recommend a few:

- [Image Certificate Tool](#) – Generate a unique certificate for any image, adding a 'paper-trail' to your copyright claims with a secure SHA-256 code.
- [Fix-Color Tool](#) – Instantly convert your image to a one fixed color. Reminds me of the blue period of Pablo Picasso.
- [Leonardo Mirror](#) - The Leonardo Mirror is a free tool that transforms your text into a beautifully mirrored image, complete with floral decoration and Leonardo da Vinci's signature.

You are free to use this clock anywhere you like. I would appreciate if you keep the **AriksWorld** link, but it's entirely up to you.

Thank you, and enjoy this clock,

**Leon (Arik) Schenkler**

**Have questions or need help?** Feel free to contact me at [breaththinkwrite@gmail.com](mailto:breaththinkwrite@gmail.com)