# iemisc: Sound Frequencies & Nikola Tesla's 3-6-9 Theory

Irucka Embry, E.I.T. (EcoC$^2$S)

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The following examples use the reduce_single_digit function which is available in the `iemisc` package (https://CRAN.R-project.org/package=iemisc) created by Irucka Embry.

## All 9 Solfeggio Frequencies

```
library(iemisc)

reduce_single_digit("174 Hz")
```

```
## [1] 3
```

```
reduce_single_digit("285 Hz")
```

```
## [1] 6
```

```
reduce_single_digit("396 Hz")
```

```
## [1] 9
```

```
reduce_single_digit("417 Hz")
```

```
## [1] 3
```

```
reduce_single_digit("528 Hz")
```

```
## [1] 6
```

```
reduce_single_digit("639 Hz")
```

```
## [1] 9
```

```
reduce_single_digit("741 Hz")
```

```
## [1] 3
```

```
reduce_single_digit("852 Hz")
```

```
## [1] 6
```

```
reduce_single_digit("963 Hz")
```

```
## [1] 9
```

## A and C Musical Frequencies

```
reduce_single_digit("432 Hz")  # A = 432 Hertz
```

```
## [1] 9
```

```
reduce_single_digit("440 Hz")  # A = 440 Hertz
```

```
## [1] 8
```

```
reduce_single_digit("444 Hz")  # A = 444 Hertz
```

```
## [1] 3
```

```
reduce_single_digit("128 Hz")  # C = 128 Hertz
```

```
## [1] 2
```

```
reduce_single_digit("256 Hz")  # C = 256 Hertz
```

```
## [1] 4
```

```
reduce_single_digit("512 Hz")  # C = 512 Hertz
```

```
## [1] 8
```

```
reduce_single_digit("528 Hz")  # C = 528 Hertz
```

```
## [1] 6
```

## R Help for iemisc Function

Please refer to the `iemisc` [https://CRAN.R-project.org/package=iemisc] help definition for the `reduce_single_digit` function below for more information on the function, including references for the significance of the individual numbers 1 - 9:

```
## Registered S3 method overwritten by 'printr':
##   method                from
##   knit_print.data.frame rmarkdown
```

```
## <environment: namespace:printr>
```

```
help(reduce_single_digit, package = "iemisc")
```

Reduce an Integer, a Date (Time), or a Number (with or without Decimals) to a Single Integer

Description:

```
Takes a character vector coercible to a date using 'anydate' or a
date time using 'anytime'; a character vector with numbers; a
numeric vector; or an integer vector & computes the sum to a
single digit using 'Mod_octave'

The vectors may include periods, dashes, parentheses, colons,
and/or spaces. See the examples.
```

Usage:

```
reduce_single_digit(string)
```

Arguments:

string: character vector coercible to a date using 'anytime' or a date time using 'anytime'; a numeric vector; or an integer vector

Value:

```
a numeric vector with a single digit (integer from 0 - 9)
```

Author(s):

```
Irucka Embry
```

References:


1. Numerology.com, "Number 9 Meaning", <https://www.numerology.com/articles/about-numerology/single-digit-number-9-meaning/>.

2. Numerology.com, "Numerology Numbers 1-9: Exploring the single digit numbers in Numerology", <https://www.numerology.com/articles/about-numerology/single-digit-numbers-in-numerology/>.

3. GeeksforGeeks, Last updated on 13 Jun, 2022, "Finding sum of digits of a number until sum becomes single digit", <https://www.geeksforgeeks.org/finding-sum-of-digits-of-a-number-until-sum-becomes-single-digit/>

4. Wikimedia Foundation, Inc. Wikipedia, 18 November 2022, "Digital root", <https://en.wikipedia.org/wiki/Digital_root>.


Examples:

```
# Please refer to the iemisc: Sound Frequencies & Nikola Tesla's 3-6-9 Theory
# vignette
# https://www.ecoccs.com/R_Examples/SoundFrequencies-and-3-6-9.pdf for
# additional examples


# Examples

library(iemisc)

reduce_single_digit(37)

reduce_single_digit(5094322.439344993211394)

reduce_single_digit(-438443.349435493)

reduce_single_digit("-48373744582.47362287482374")

reduce_single_digit("11-09-2022")

reduce_single_digit("24 December 1983 04:37:58.55543333")

reduce_single_digit("4 July 1776")

reduce_single_digit(9)
```

```
reduce_single_digit(0)

reduce_single_digit(94321155)

reduce_single_digit("011 (704) 904-0432")

reduce_single_digit("011-894-908-0945")

reduce_single_digit("908-0945")
```

## Useful References


432 Hz vs 440 Hz Uploaded by WE VIBE HIGH on Dec 7, 2014 (YouTube video) [https://yewtu.be/watch?v=wZWDWXkVoOs]

Brendan D. Murphy, Wake Up World: The A=432 Hz Frequency: DNA Tuning and the Bastardization of Music, [https://web.archive.org/web/20210526035709/https://wakeup-world.com/2015/08/26/the-a432-hz-frequency-dna-tuning-and-the-bastardization-music/] {Recovered with the Internet Archive: Wayback Machine}

Meditative Mind: Nicola Tesla's 3-6-9 Theory: What You Need To Know [https://meditativemind.org/nicola-teslas-3-6-9-theory-what-you-need-to-know%EF%BF%BC/]

Schiller Institute and Fidelio Online: A Revolution in Musical Tuning: Return to Verdi's Scientific Pitch C=256 Hertz [https://archive.schillerinstitute.com/music/revolution.html]

Solfeggio Guide: Solfeggio Frequency Guide [https://solfeggioguide.com/solfeggio-frequency-guide/]

Sondra Barrett. The Universal Law of 3 – it works! May 27, 2022 [https://sondrabarrett.com/2022/05/27/the-universal-law-of-3-it-works/]


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