Register your attendance.

Session numbers are in the program.



SCAN HERE FOR AUSTIN ROSTERS

UNIVERSITY OF TEXAS

ATAIISTIN

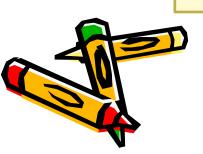




2024 Student Activity Conference

Number Sense – A Mental Math Contest

Larry White, state contest director





How can this be true?

```
15 = 11

14 = 11

13 base 6 = 11 base 10

14 base 7 = 11 base 10

13 base 8 = 11 base 10

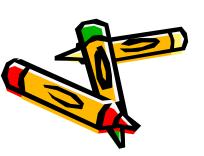
14 base 9 = 11 base 10

15 base 6 = 11 base 10

13 base 8 = 11 base 10

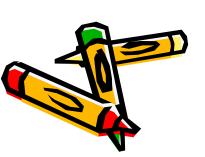
11 base 10 = 11 base 10

11 = 11
```



Be sure to ...

- > sign in using the QR code;
- > clean up your area when you leave;
- > and
 "HAVE A GREAT DAY"



UIL Number Sense Contest

Larry White

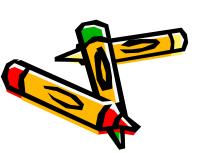
Box 25

Millersview, Tx 76862

325-483-5446

texasmath@centex.net

UIL State Number Sense Contest Director







NUMBER SENSE - MENTAL MATHEMATICS
A Chronology of the Texas
University Interscholastic League
Number Sense Contest
by Larry White,
UIL State Number Sense Director

The 278-page Number Sense Chronology is finished. It has taken a while It was a lot of work, but well worth it in my opinion. I hope you will find it as interesting and enjoyable as I did while doing it. There is a link on my UIL number sense page, https://www.uiltexas.org/academics/stem/number-sense to download and/or view the chronology. I decided not to publish it or accept any compensation for it. It was just something I wanted to give to UIL for their archives and offer it to anyone interested in the number sense contest, one of the oldest UIL contests. My wife and I have set up an annual TILF scholarship to help two competitors (one girl and one boy) each year as they head to college. You can get the scholarship information from the TILF webpage (https://www.tilfoundation.org/scholarships/list/). There is no charge for downloading, viewing, or sharing this chronology, but if you would like to donate to the newly created TILF "Larry and Mona White Number Sense Scholarship," you can do so on the TILF webpage (https://www.tilfoundation.org/donate/become-a-donor/). If and when enough donations come in we will be able to add a third or fourth scholarship besides the two my wife and I are giving. I hope you enjoy this chronology.

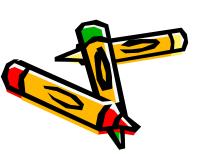




Announcements and Test Corrections/Discussions

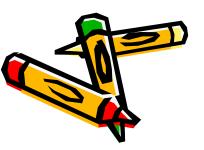
https://www.uiltexas.org/academics/stem/number-sense

Contest rules handbook
Sequence chart
2023-24 and 2024-25 test comments and corrections
Number Sense history and chronology
Misc. announcements

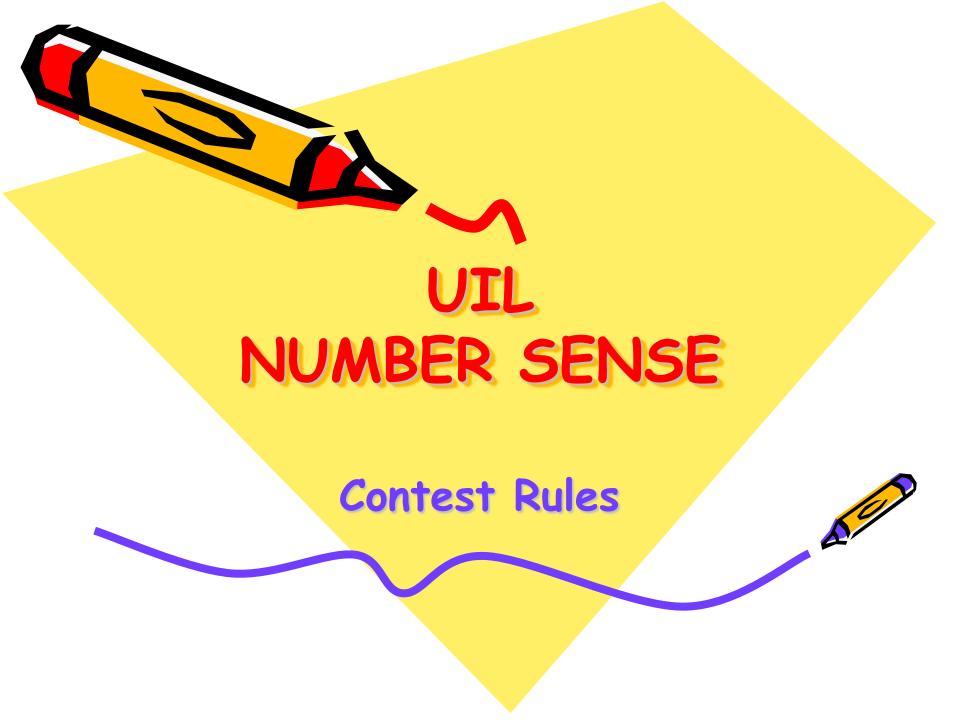


Tests I will write for this year

- 2024 SAC -- release: Tyler, Houston, Lubbock, & Austin. SAC info and tests will be posted on the UIL web page after the Austin SAC
- · TMSCA #6 (UIL C) --- Release: 12/7/24
- · UIL A --- Release: 1/10/25-2/01/25
- · UIL B --- Release: 2/7/25-3/8/25
- TMSCA #13 (UIL D) --- Release: 3/8/25
- · TMSCA State --- Release: 3/15/25
- · TMSCA District Warmup --- Release: TBA
- · District --- Release: 3/24/25-3/29/25
- · Regional --- Release: 4/25/25-4/26/25
- · State --- Release: 5/19/25-5/21/25

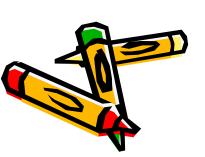


and 12 HEXCO Practice tests (6 Fall 2024 and 6 Spring 2025)



Rules for Competition

- · 80 problems (see sequence chart)
- 10 minutes
- No scratch work no erasing no marking over
- + 5 points for each correct answer
- 4 points for incorrect or skipped (up to the last one attempted)



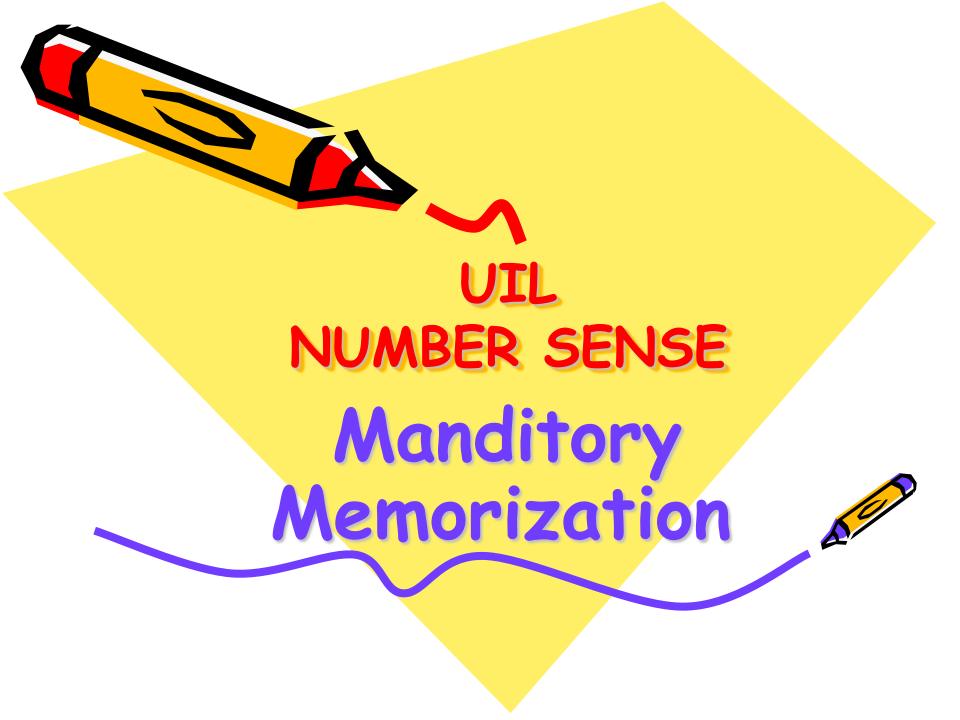
Rules for Competition

(continued)

- * problems (10,20,30,..., 80) are estimation problems (+ or -5% error)
- · types of problems -- see sequence chart
- Grading and scoring rules are found in the 2024-2025 UIL Number Sense Handbook.



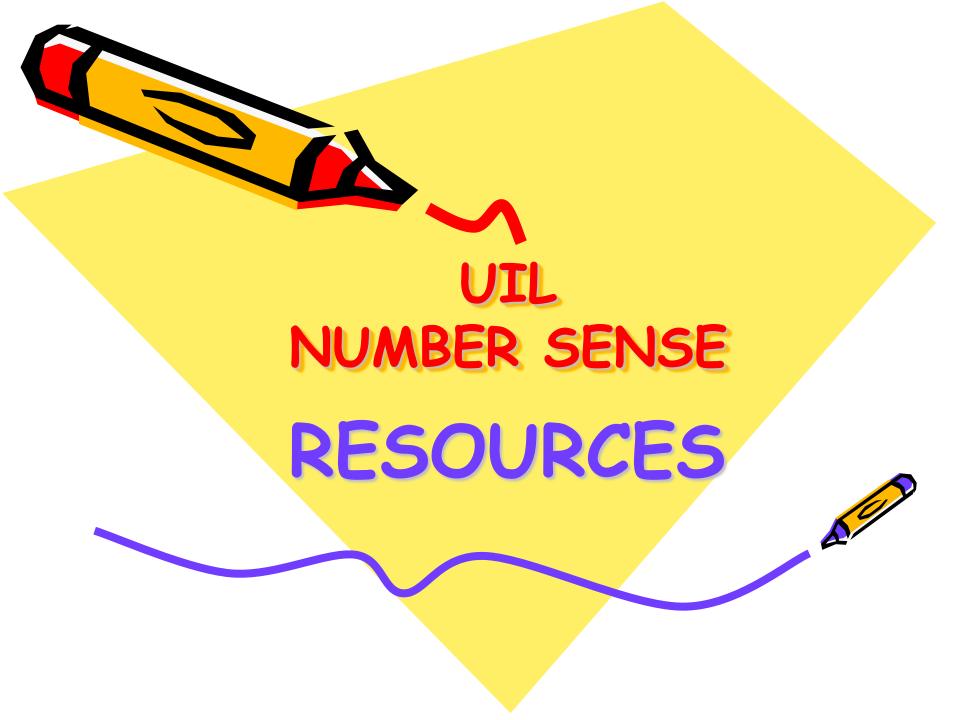




Need to Memorize

- First 35 Squares
- · First 15 Cubes
- First 10 Square Roots to 3-decimals
- One-zees from 1/2 to 1/12 and 1/16 percents, fractions, decimal equivalencies
- · Roman Numerals
- · Remainder Rules-2,3,4,5,6,7,8,9,10,& 11
- Estimation Strategies





Texas Math & Science Coaches Association

TMSCA

www.tmsca.org

Contact: Julie Majewski-Smith

940-563-1005

execsectmsca@gmail.com

Newsletter - Resource Page -Tests - Forms

Books and practice materials

RAM Materials -Leo Ramirez (www.rammaterials.com)

AMT Test Writing Service
Andy Zapata (adzapata74@gmail.com)

Middle School and High School Packets Dr. John Hobbs (call 972-442-3168)

Hexco - Linda Terrant (http://www.hexco.com)



Practice tests - UIL

https://store.uiltexas.org/number-sense/

2011 thru 2019 test packets – can be ordered at no cost – these may become digital downloads soon.

https://www.uiltexas.org/academics/page/20 24-high-school-academic-study-materials

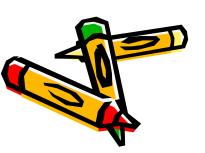
2020 thru 2024 test packets - free downloads



Note: SAC tests are not available at UIL, but can be available upon request by emailing me.

Other practice tests

- Texas Math and Science Coaches Association (TMSCA) (http://www.tmsca.org)
- RAM Materials Leo Ramirez (www.rammaterials.com)
- AMT Test Writing Service Andy Zapata (adzapata74@gmail.com)
- Hexco Linda Terrant (http://www.hexco.com)



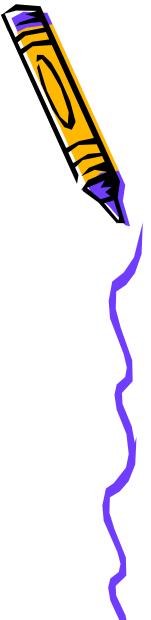
Computer Software

Number Sense Computerized by Larry White
 (texasmath@centex.net)

 UIL Number Sense Mental Math Mentor

(http://www.hexco.com)





Websites

- UIL www.uiltexas.org/academics
- TMSCA www.tmsca.org
- Virtual Challenge Meet Chuck Thompson www.virtualchallengemeets.com
- Number Dojo www.numberdojo.com
- Number Sense Tricks http://bryantheath.com/number-sensetricks-manual/
- Math Ninja Anthony Gillespey
 http://mathninja.org/math-team/number-sense-video-lesson-and-workbook/

More Websites

- Education Academy Javiar Garcia & Juan Garcia https://educationacademy.xyz/home
- Texas Math Mundo Saul Cantu https://www.youtube.com/channel/UCDHQCWfSMjN JJS0aJx8jITw/videos
 - https://discord.gg/2pmuWCpYUa
- Joe Cuelar The Number Sense 400@gmail.com
 https://www.youtube.com/@The Number Sense/videos
- Investigative Math Ayden Gertizer https://www.youtube.com/@investigativemath 4965/featured



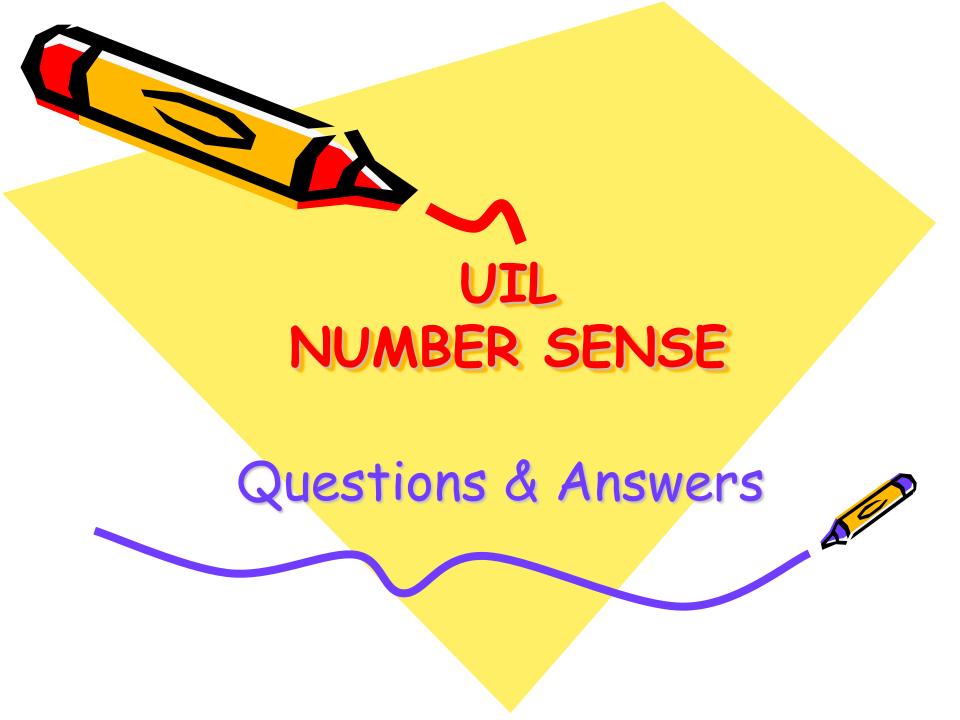
New Website

- https://project-sense.vercel.app/manual.pdf
- https://project-sense.vercel.app/

Project Sense - free, comprehensive and unlimited Number Sense training website with features such as individual trick practice, video explanations, multiplayer, AI, leaderboards, etc.

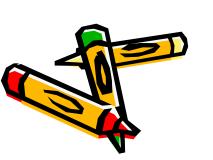
Created by: Henry Tran, Tesfa Taye and Andrew Mi (School for the Talented and Gifted)





If you have some questions, I have some answers.

Otherwise, it is
Time for the
UIL HS SAC 2024 test



Why is the number 10 shaking?

Because 7 8 9 and is still hungry







And remember, number sense is just

MIND OVER "MATH-ER"

Thank-you for attending



Austin Eval

We value your feedback.

Please complete conference

evaluation after _

your last session

MITZIIATA