

NUMBER SENSE (updated 10/28/18)

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UIL Test Comments — 2018-19

*** NOTE: See Off on a Tangent for information on workshops and the Student Activity Conferences ***

*** NOTE: See "Off on a Tangent:Test Discussion" below about, regional, and state tests ***

SAC - - - > No errors, corrections, or comments reported at this time. (Release dates: 9/8/18-10/27/18)
*** Note see comment below about the SAC number sense presentation's opening problem ***

A - - - > (Release dates: 1/11/19 - 2/9/19)

B - - - > (Release dates: 2/15/19 - 3/16/19)

District - - - > (Release dates: 3/25/19 - 3/30/19)

Regional - - - > (Release dates: 4/12/19 - 4/13/19)

State - - - > (Release date: 5/2/19 - 5/4/19)

TMSCA Test Comments — 2018-19 (tests I write for TMSCA)

6 - - - > (Release date: 12/01/18)

13 - - - > (Release date: 3/02/19)

State - - - > (Release date: 3/16/19)

District Warm-Up - - - > (Release date: to be determined by TMSCA)

Off on a Tangent

Workshops and/or Presentations I will be doing:

1. UIL Capitol Conference, Austin - June 26-27, 2018.
2. *What's Your 9th Problem* - Math Camp at Texas Tech University, Lubbock on July 10-14, 2018.
For more information contact Jack Barton at jack.barton@ttu.edu or 806-742-2350.
NOTE: *What's Your 10th Problem* - Math Camp at Texas Tech University, Lubbock is scheduled for July 9-13, 2019 ... contact Jack.
3. Student Activity Conferences:
 - A. Sept. 8, 2018 - West Texas A&M, Canyon *** will start at 10:00 instead of 9:00 ***
 - B. Sept. 15, 2018 - University of Texas Rio Grande Valley, Edinburg
 - C. Sept. 22, 2018 - University of Texas at Arlington
 - D. Oct. 27, 2018 - University of Texas, Austin

2018 Student Activity Conference (SAC) information: (Time Schedule is tentative)

- 9:00-10:30 a.m. ---- Number Sense contest: guidelines, rules, resources, practice materials, etc.
---- SAC 2018 Number Sense Test (take/grade) NEW 10 min-80 question test

- Q&A - discuss/answer questions from the test
- 10:45–noon ---- Mathematics contest: guidelines, rules, resources, practice materials, etc.
 ---- SAC 2018 Mathematics Test (take/grade) New 20 min-30 question test
 ---- Q&A - discuss/answer questions from the test
- 12:15-1:30 p.m. ---- Number Sense Contest and Mathematics Contest Jam Session:
 ---- Rules: discussion, clarifications, changes, additions, etc.
 ---- Previous year's problems: bring your problems and we will try to solve them
 (time permitting) ---- Unique Fibonacci Sequence problems - Unusual Primes and Special numbers

NOTE: For those of you not able to attend one of the SACs, all presentations, tests, keys, etc. should be posted on the UIL Academic website following the Austin SAC.
<http://www.uiltexas.org/academics/student-activities/university-texas-2018>

Test Discussions

Note: I have been writing 12 number sense practice tests for HEXCO each of the past five years and will be writing them again this year. Contact Linda at HEXCO.com if you are interested in ordering some of these tests.

NOTE: The district, regional, and state tests will be created based on the problems from these 6 practice tests: SAC, TMSCA 6, UIL A, UIL B, TMSCA 13, & TMSCA STATE.

**SAC: The opening slide on the number sense presentation presented this problem:
 3, 4, 7, 10, 16, 21, k, 40 with the answer $k = 30$. Multiple methods for finding k were investigated throughout the SACs. There are multiple strategies that can be used, one of which is to look at known sets of numbers used to create other sets. In this particular case this set of numbers was generated by adding the terms from the set of Fibonacci numbers {1, 1, 2, 3, 5, 8, 13, 21, ...} to the corresponding terms of the set of prime numbers {2, 3, 5, 7, 11, 13, 17, 19, ...}.**

STATE MEET PROOFERS AND GRADERS

Coaches of the regional team champions and the coaches of the regional wild card teams will be needed to proof the state test (while the contestants are testing) and grade the tests.

Note:

- You must be a full time employee of the school district.
- You must be listed as the team's coach.
- You must be willing to stay in the proofing/grading room until **all** proofing **and** grading is complete.
 (Please do not agree to proof and grade if you are not going to be in the room at the designated time.)

If you are one of the 24 regional team championship coaches or one of the 6 regional wild card team coaches, you need to email me no later than April 29 with the following information:

Number Sense Contest Regional Team Champion _____ Wild Card Team _____

Name _____ School & District _____

Classification _____ Region # _____ District # _____

I will _____ will not _____ be able to help proof and grade the test.

I will send you a reply confirming that I received your email. If you do not receive an email back from me then I did not

receive your email. Hence, I will begin a search for a replacement for you beginning April 30. Email me at texasmath@centex.net.

Good Luck! Work Hard! Play Fair!

I am off on another tangent ...