<p style="text-align: center;">MATHEMATICS (updated 4/15/19)</p>

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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 district, regional, and state tests ***

SAC - - - > #29 … should be 3, not 4
#30 … should be 2.4 not 2.5   (Release dates: 9/8/18-10/27/18)

A - - - > #50 … question could have been stated better: Find the sum of the first three Mersenne Primes
such that the sum is a prime but is not a Mersenne Prime.   (Release dates: 1/11/19 - 2/9/19)

B - - - > #45 … typo on the key … should be D   (Release dates: 2/15/19 - 3/16/19)

District - - - > #22 … I had to throw this one out since there was not a correct answer choice available.
See discussion below   (Release dates: 3/25/19 - 3/30/19)

Regional - - - > *** See Regional discussion below. ***   (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   - - - > No errors, corrections, or comments reported at this time.   (Release date: 12/01/18)

 # 13 - - - > No errors, corrections, or comments reported at this time.   (Release date: 3/02/19)

State - - - > No errors, corrections, or comments reported at this time.   (Release date: 3/16/19)

District Warm-Up - - - > No errors, corrections, or comments reported at this time.
(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. 7, 2019 - Tyler Junior College, Tyler
   B. Sept. 21, 2019 - Texas A & M University - Corpus Christi
   C. Oct. 26, 2019 - University of Texas at Austin
   D. Nov. 2, 2019 - Texas Tech University, Lubbock

*** Note: 2019 sessions TBA at a later date***

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

Resources Update

I recently received an update on "the little red book" -- Mental Mathematics for Number Sense by Frances
Walzel -- is available again. The new contact email for this book is mentalmathbook@gmail.com .

Test Discussions

**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.**

**District #22. The correct answer choice should have been $1,004.00. The closest integral side lengths
        would be 50 and 36. The precise side lengths were 35.85685828… and 50.19960159…
        which gives an area of 1800 and a cost of $1,003.99203…, hence $1,004.00. Parameters in
        the problem did not require integral sides or rounding to the nearest cent. Either way,
        $1,004.00 would be the correct answer.**

**Regional: No matter how many times we go over the tests and proof them, sometimes issues still get
        by. Unfortunately, there were three issues on the mathematics test that were reported to me
        late Saturday afternoon. Each of the three regions that called were doing verification when
        they discovered an issue. Unlike the number sense contact I received, it was too late in the
        afternoon to contact other regions about the issues prior to the testing, grading, and/or
        verification about the issues. So, the decisions on each issue were made and instructions
        given to the regions that called on how to handle the issue(s) they called about. It is always
        better to catch these prior to the test than after the test. Here are the three issues:**
        #24. The answer should have been A not C as shown on the key;
        **#41. There was not a correct choice available. I had to toss the problem. The answer should
            have been 8.333% rounded to 8%;**
        **#50. There was an extra ")" between the brackets "[…)]". It should not have been there.
            I had to toss the problem since two options concerning the parenthesis existed.**
            **1) The open parenthesis "(" could have been missing "[(…)]" which would have lead
                to an answer that was not available or**
            **2) the closing parenthesis ")" should have been there "[…]" which would have lead to
                the correct answer on the key.**

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 ...