NUMBER SENSE (updated 5/4/08)

Director's Comments

I make every attempt to minimize errors on the keys and make sure that the problems are valid and workable. However, despite all of my efforts and the efforts of the person(s) who proofs the tests, ERRORS HAPPEN.
I will try to post any corrections to the current years tests and any comments pertaining to errors or problem statements in the sections below. If anyone knows of any errors or thinks there are errors please email me so I can address them. If a constructive comment on a particular problem is sent to me I will address it and other items in the "Off on a Tangent" section below. Your report of errors and constructive comments will assist me in making the tests better.

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UIL Test Comments — 2008

SAC - - - > #47 the variable 'x' following the word ' If ' needs absolute value symbols around it.
#69 the following needs to be put after the ')' and in front of the word 'then':
...), where k and n are relatively prime, then ...

A - - - > No errors reported

B - - - > No errors reported

District 1 - - - > #44 has multiple answers (see off on a tangent … below)
#77 should be .21 (left the decimal off on the key)

District 2 - - - > No errors reported

Regional - - - > #41 the word "leg" should read "side"
#44 two typos -- a>1 (not a>0) and find k (not n)
#59 has two possible answers, 0 or 8

State - - - > #47 the answer on the key is valid for all values of A except for 0 & 1
the problem should have noted that A cannot equal 0 or 1

TMSCA Test Comments — 2008 (tests I wrote for TMSCA)

 # 6 - - - > # 38 there were two answers 40 and 42

 # 12 - - - > # 24 should be 1

State - - - > No errors reported

Canton Test Comments — 2008 (tests I wrote for Canton)

Fall Invitational - - - > No errors reported

Spring Invitational - - - > # 68 should be -3/7
79 should be ln100, however answers on number sense tests cannot be written in this form. So, the problem would have to be removed.

80 should have a range of 157-172

Off on a Tangent

#44 was meant to be a primitive right triangle with an answer of 11. However, using various scalars, the possible triangles could be 45, 60, 75 (primitive → 3,4,5 with scalar 15)
25, 60, 65 (primitive → 5,12,13 with scalar 5)
32, 60, 68 (primitive → 8,15, 17 with scalar 4)

The problem should have been written as:

(44) If f<60<h are the integral sides of a primitive right triangle then f is _____ .

Have a great summer. See you at one of the SACs

2008 SAC Dates

Sept. 20 – Tyler Junior College, Tyler
Oct. 4 – University of Texas, AUSTIN
Oct. 18 – West Texas A&M University, Canyon
Nov. 1 – A&M UNIVERSITY, Corpus Christi

Good Luck! Work Hard! Play Fair!
I am off on another tangent ...