$$\int (x \pm a^2)$$

e=2,79



TEXAS TECH UNIVERSITY
Campus Access & Engagement
University Interscholastic League

STUDENTS & TEACHERS-JOIN US

"WHAT'S YOUR 13TH PROBLEM?"

MATH, NUMBER SENSE, CALCULATOR, SCIENCE SUMMER CAMP-JULY 8-12

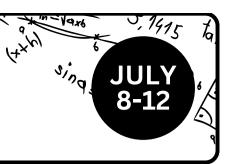
Study UIL mathematics, number sense, science, and calculator applications with award winning coaches and teachers



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Pay your camp deposit and payments at bit.ly/ttu-uil-payment





Make Check Payable to **TTU UIL or Make Credit**

Card Deposit/Payment

What's Your 13th Problem?

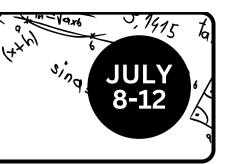
Student and Teacher Application (Due: July 1, 2024)

| PLEASE PRINT: | Online at bit.ly/ttu-uil-payment |
|-----------------------------------|-----------------------------------------------------------|
| EMAIL ADDRESS: | |
| NAME (FIRST):(LAST): | Save your spot with a \$100 deposi |
| GENDER: MALE FEMALEOTHER | FOOD ALLERGIES: |
| MAILING ADDRESS: | |
| CITY: STATE: ZIP: _ | |
| SCHOOL:CITY: | DIETARY RESTRICTIONS: NONE |
| GRADE (FALL 24) BIRTHDATE | |
| HOME PHONE: | ○ VEGETARIAN○ GLUTEN FREE |
| CELL PHONE: | ACCOMMODATIONS: |
| PARENT HOME PHONE: | |
| PARENT CELL PHONE: | |
| T-SHIRT SIZE: | PAYMENT: BIT.LY/TTU-UIL-PAYMENT |
| ADULT S ADULT M ADULT L ADULT XL | \$100 NON-REFUNDABLE DEPOSIT DUE JUNE 19. THE REMAINING |
| ADULT 2XLADULT 3XL | BALANCE IS DUE ON OR BEFORE JULY 8, 2024. |
| ADULT 4XLADULT 5XL | \$250 FULL REGISTRATION FOR STUDENTS NOT STAYING IN THE |
| CHECK ONE: RESIDENT COMMUTER | DORM. |
| ROOMMATE REQUEST (NOT GUARANTEED) | \$400 FULL REGISTRATION FOR STUDENTS STAYING IN THE DORM. |

REFUND POLICY/BALANCE DUE DATES

A refund request must be made in writing before July 5. Request must include the recipient's full name, mailing address, phone, and cell numbers. No fees are refunded after July 5, 2024.

SUMMER MATH, NUMBÉR SENSE, CALCULATOR & SCIENCE GAMP



What's Your 13th Problem?

| Tuesday, July 8, 2024 | |
|-----------------------|-----------------------------------------------|
| 4:30 - 6:00 pm | Registration in dorm. |
| 7:00 – 8:00 pm | Counselors escort all campers to 1st meeting. |
| 8:00 – 10:00 pm | Counselors will meet with their campers |
| 10:00 – 10:30 pm | Students should be in dorm rooms. |
| 11:00 pm | Lights out in dorm rooms. |

| Wednesday, July 9, 2024 | |
|-------------------------|----------------------------------------------------------------------|
| 7:30 - 8:30 am | Breakfast in the dorm. |
| 8:45 – 9:40 am | Number Sense: beginning number sense #1 |
| | Calculator: how to crunch a test using rpn (reverse polish notation) |
| | Math: coordinate geometry – perimeter, area, etc. |
| | Science-Chemistry: (novice) stoichiometry |
| 9:45 – 10:40 am | Number Sense: conversion problems Memorization |
| | Calculator: related rates |
| | Math: work stated problems |
| | Science-Biology: Hardy Weinberg equation |



| Wednesday, July 9, 2024 (continued) | |
|-------------------------------------|-----------------------------------------------------------------|
| 10:45 - 11:40 am | Number Sense: estimations – bring a calculator |
| | Number Sense: (novice) multiplication shortcuts |
| | Calculator: slopes, max/min problems |
| | Math: introductory stats (mean, median, mode, quartiles, etc.) |
| | Science-Physics: fluids |
| | Science: Chemistry: (advanced) chemical kinetics |
| 11:45 – 1:00 pm | Lunch in the dorm |
| | Number Sense: beginning number sense #2 |
| 110 000 | Calculator: #40 law of sines/cosines |
| 1:10 - 2:00 pm | Math: circle problems (arcs, power of a point, more) |
| | Science-Chemistry: (novice) gases |
| 2:10 - 3:00 pm | Number Sense: (advanced) bases- fractions/decimals/sq. roots |
| | Calculator: #59 solids of a revolution and area under a curve |
| | Math: motion stated problems |
| | Science-Biology: The central dogma. Genes to proteins. |
| 3:10 – 4:00 pm | Number Sense: GCD, LCM, and number theory problems |
| | Calculator: #49/50 harder 3D geometry problems |
| | Math: complex numbers |
| | Science-Physics: two dimensional |
| | Science: Biology: photosynthesis and cellular respiration |



| Wednesday, July 9, 2024 (continued) | |
|-------------------------------------|-----------------------------------------------------------------|
| 4:10 – 4:45 pm | General assembly in room 281 |
| 5:30 – 6:30 pm | Dinner in the dorm |
| 6:45 – 10:00 pm | Leisure time |
| 10:00 – 10:30 pm | Students report to dorm rooms |
| 11:00 pm | Lights out in dorm rooms |
| | |
| 11:45 – 1:00 pm | Lunch in the dorm |
| 1:10 – 2:00 pm | Number Sense: beginning number sense #2 |
| | Calculator: #40 law of sines/cosines |
| | Math: circle problems (arcs, power of a point, more) |
| | Science-Chemistry: (novice) gases |
| 2:10 – 3:00 pm | Number Sense: (advanced) bases- fractions/decimals/sq. roots |
| | Calculator: #59 solids of a revolution and area under a curve |
| | Math: motion stated problems |
| | Science-Biology: The central dogma. Genes to proteins. |
| 3:10 – 4:00 pm | Number Sense: GCD, LCM, and number theory problems |
| | Calculator: #49/50 harder 3D geometry problems |
| | Math: complex numbers |
| | Science-Physics: two dimensional |
| | Science: Biology: photosynthesis and cellular respiration |

| | Check one box p | er sess |
|-------------------------|----------------------------------------------------------|---------|
| Thursday, July 10, 2024 | | |
| 7:30 -8:30 am | Breakfast in the dorm | |
| 8:45 - 9:40 am | Number Sense: sequences, fibs, Lucas, made-up | |
| | Number Sense: (novice) all things fractions | |
| | Calculator: the calculator test in a nutshell | |
| | Math: algebra problems on the math test | |
| | Science-Chemistry: (advanced) thermodynamics | |
| | Number Sense: base x to base 10; and base 10 to base x | |
| | Number Sense: (advanced) polygonal numbers | |
| | Calculator: acceleration & trajectory problems | |
| 9:45 - 10:40 am | Math: mixture word problems | |
| | Science-Physics: Newton's Laws, force, and work | |
| | Science: Chemistry: (novice) acids and bases | |
| 10:45 – 11:40 am | Number Sense: base system conversion and base operations | |
| | Number Sense: (novice) first page multiplication tricks | |
| | Calculator: sig fig problems on the calculator test | |
| | Math: geometry problems | |
| | Science-Biology: Introduction to genetics | |
| 11:45 – 1:00 pm | Lunch in the dorm | |

| Thursday, July 10, 2 | 2024 (continued) |
|----------------------|----------------------------------------------------------|
| 1:10 – 2:00 pm | Number Sense: beginning number sense #3 |
| | Calculator: #58 matrices and #62 overflow |
| | Math: using roots with 2nd, 3rd, & 4th degree equations |
| | Science-Chemistry: (novice) physical equilibria |
| | Science-Physics: conservation of energy |
| | Number Sense: # 41 – 60 on the sequence chart |
| | Number Sense: (novice) estimation strategies |
| 2:10 – 3:00 pm | Calculator: Dr. Bourell's questions from the archives |
| | Math: precalculus problems from session #1 |
| | Science-Chemistry: (advanced) chemical equilibria |
| | Number Sense: square roots/cube roots problems |
| | Calculator: Dr. Bourell's picks of interesting questions |
| 3:10 – 4:00 pm | Math: precalculus problems from session #2 |
| | Science-Physics: simple harmonic motion |
| | Science: Biology: advanced genetics |
| 4:10 - 4:45 pm | Camp Meeting in room 281 |
| 5:30 – 6:30 pm | Dinner in the dorm |
| 6:45 – 9:00 pm | Leisure pool or recreation center |
| 7:00 – 8:00 pm | Teacher Questions and Answers |
| 10:00 – 10:30 pm | Students in dorm rooms |
| 11:00 pm | Lights out in dorm rooms |

| Check one box per so | |
|-----------------------|-----------------------------------------------------------|
| Friday, July 11, 2024 | |
| 7:30 - 8:30 am | Breakfast in the dorm |
| 8:45 – 9:40 am | Number Sense: multiplication of 3 digits and square roots |
| | Calculator: #46 scaling questions |
| | Math: calculus problems on test #1 |
| | Science-Biology: cells and cell membranes |
| | Number Sense: repeating decimals to fractions |
| 9:45 - 10:40 am | Calculator: concentration / dilution |
| 9.45 - 10.40 am | Math: calculus problems from test #2 |
| | Science-Physics: Ohm's Law, current and resistance |
| | Number Sense: direct and inverse variations |
| 10:45 - 11:40 am | Calculator: plane geometry - #60, 64, 65 |
| | Math: normal distribution |
| | Science-Physics: Coulomb's Law |
| 11:45 – 1:00 pm | Lunch in the dorm |
| 1:45 – 2:00 pm | Number Sense Test |
| 2:10 - 2:45 pm | Calculator Test |
| 2:50 – 3:40 pm | Math Test |
| 3:45 – 4:50 pm | Science Test |
| 5:15 - 6:30 pm | Dinner in the dorm |

| Check one box per sess | |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Friday, July 11, 2024 (continued) | |
| 7:00 – 8:00 pm | Awards assembly in room 281 |
| 8:15 – 10:45 pm | Leisure time |
| 10:35 – 11:00 pm | Students in dorm rooms |
| 11:30 pm | Lights out in the dorm rooms |
| Saturday, July 12, 2024 | |
| 7:00 – 8:00 am | Breakfast in the dorm – campers should have dorm rooms cleaned; clothes packed Check out by giving your room key to your counselor. The counselors will be by the office. They will check you out unless you have a fine. For our adult campers, you must return your key to the office ***ALL CAMPERS MUST BE CHECKED OUT NO LATER THAN 9:00 am |