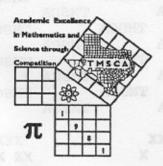
1st Score:	2nd Score:	3rd Score:	THECA THECA
Grader:	Grader:	Grader:	Final Score
Name:	ASEMT ASEMT	School:	ADSKE TRECA
SS/ID Number:	ACCENT ACCENT	City:	ADSMT ADSMT
Grade: 5 6	7 8	Classification: 1A	2A 3A 4A 5A



TMSCA MIDDLE SCHOOL NUMBER SENSE 2003 - 2004 PRACTICE SERIES

GENERAL DIRECTIONS

- Write only the requested information on this coversheet. Do not make any additional marks on this cover sheet.
- 2. You will be given 10 minutes to take this test.
- 3. There are 80 problems on the test.
- 4. Write in ink only! It would be advantageous to use non-black ink.
- 5. Solve as many problems as you can in the order that they appear.
- 6. Problems that are skipped are considered wrong.
- 7. Problems that appear after the last attempted problem do not count either for or against you.
- 8. ALL PROBLEMS ARE TO BE SOLVED MENTALLY! [No scratch work!]
- 9. Only the answer may be written in the answer blank.
- Starred [*] problems require approximate INTEGRAL answers that are within 5% of the exact answers. All other problems require exact answers.
- 11. All problems answered correctly are worth <u>FIVE</u> points. <u>FOUR</u> points will be deducted for all problems answered incorrectly or skipped before the last problem attempted.

2003 - 2004 TMSCA Middle School Number Sense Test # 1

1) .17 =%	22) $3\frac{1}{3}\% = $ fraction
2) 6714 + 982 =	3
3) 30% =fraction	23) The mean of 48, 46, 49 and 49 is
4) 429 – 277 =	24) $45^2 =$
7	25) 11 + (-2) - 3 =
5) $\frac{7}{20} = \underline{\qquad}$ decimal	26) 93 =Roman numera
6) $\frac{2}{5} = $ %	27) $13 \div 2\frac{1}{2} =$
7) 1818 ÷ 6 =	28) If $6n + 7 = 31$, then $n = $
8) 11 × 436 =	29) $3\frac{1}{2} \times 12 =$
9) 4 × 999 = *10) 17 + 24 + 62 + 19 + 81 =	*30) 4.6 × 3.8 × 2.1 × 5 =
11) 14 ² =	31) The area of a square with side $\frac{3}{4}$ is
12) $\frac{7}{8} - \frac{3}{4} =$	32) 50 × 264 =
13) CCLIV =Arabic number	33) If $\frac{5}{8} = \frac{x}{3}$, then $x = $
14) 28 × 25 =	34) The supplement of a 47° angle is°
15) Which is larger $\frac{7}{8}$ or $\frac{6}{7}$?	35) 58 × 52 =
16) 286 ÷ 9 has a remainder of	36) 27 ₈ =
17) 47 nickles = \$	37) The cost of driving a car 80 miles at \$.25 per mile is \$
18) $12\frac{1}{2} \times 16 = $	38) $6\frac{2}{3} \times 6\frac{1}{3} = \underline{\qquad}$ mixed number
19) 16 milliliters =liters	39) 98 × 98 =
20) 203 × 302 =	*40) $\pi^5 = $
21) 13 inches =feet	41) $16\frac{2}{3} \times 36 = $

- 42) $8\frac{1}{3} \times 4\frac{1}{3} =$ ____mixed number
- 43) 24 × 6 + 6 × 76 = _____
- 44) .444... = ______fraction
- 45) $26^2 24^2 =$
- 46) {s, m, i, t, h} has _____subsets
- 47) 24 is one and one third of _____
- 48) 1 + 2 + 3 + ... + 15 + 16 =
- 49) 102 × 106 =
- *50) 4.6⁴ = _____
- 51) 16 × 32 = ____
- 52) The diagonal of a square with side 9 is _____
- 53) 18 is _______ % less than 20?
- 54) Adding 35% of a number to the number is the same as multiplying the number by
- 55) If $\frac{1}{7} + \frac{1}{3} = \frac{1}{x}$, then x =_____
- 57) If f(x) = 5x 7, then f(-1) =
- 58) The geometric mean between 1 and 4 is
- 59) The number of positive fractions in lowest terms with denominator 10 is _____
- *60) 142857 × 54 = _____
- 61) One foot = _____inches
- 62) 111 × 235 = _____
- 63) The surface area of a cube with inner diagonal 3 is _____

- 64) $8^2 + 24^2 =$
- 65) The slope of the line passing through (2,7) and (-1,10) is
- 66) √27 simplified is _____
- 67) If $24_b = 18_{10}$, then b =_____
- 68) If the hypotenuse of a 30-60-90 triangle measurers 12, then its short leg measures
- 69) 3367 × 15 =
- *70) $\sqrt{31,000} =$
- 71) $\frac{4}{7} + \frac{7}{4} = \underline{\qquad}$ mixed number
- 72) The volume of a sphere with radius 3 is _____
- 73) 998 × 997 = ____
- 74) $\frac{13}{11} \times 13 =$ _____mixed number
- 75) The slope of the line 2y = 4x + 8 is _____
- 76) 5! = ____
- 78) One gallon = in^3
- 79) 10 9 = _____
- *80) $123 \div 7\frac{2}{7} =$