

1998 - 1999 TMSCA Middle School Number Sense Test # 4

- 1) $999 + 989 =$ _____
- 2) $4 \times 1000 - 4 \times 100 - 4 \times 10 - 4 \times 1 =$ _____
- 3) $\frac{1}{2} + \frac{1}{3} =$ _____
- 4) The area of a rectangle with length 5 and width 2.5 is _____ (decimal)
- 5) $86 \times 50 =$ _____
- 6) $842 \div 9$ has a remainder of _____
- 7) $65^2 =$ _____
- 8) $1.5 + 2.5 + 3.5 + 4.5 =$ _____
- 9) $\frac{4}{5} =$ _____ %
- *10) $38,411 + 7,327 + 11,129 =$ _____
- 11) 20% of 400 is _____
- 12) $1\frac{1}{2} \times \frac{2}{3} =$ _____
- 13) $366 \times 11 =$ _____
- 14) .03 km = _____ cm
- 15) $45 \div 2\frac{1}{2} =$ _____
- 16) The range of 3, 9, 1, 0 and 7 is _____
- 17) $.25 \times 44 =$ _____
- 18) $2\frac{1}{2}$ yards = _____ feet
- 19) $5 \times 9\frac{3}{5} =$ _____
- *20) $297 \times 89 =$ _____
- 21) If a can of 3 tennis balls costs \$6.75, then a dozen balls cost \$ = _____
- 22) The LCM of 9 and 12 is _____
- 23) $19 \times 9 + 11 \times 19 =$ _____
- 24) MMCCXVI = _____ Arabic Numeral
- 25) If $\frac{x}{3} + 7 = 12$, then $x =$ _____
- 26) $\frac{2}{10} + \frac{3}{15} + \frac{1}{5} =$ _____ (fraction)
- 27) $243 \times 101 =$ _____
- 28) $77 \times 73 =$ _____
- 29) $\sqrt{361} =$ _____
- *30) $3333 \div 8 =$ _____
- 31) $83 \times 23 =$ _____
- 32) If $L = -3$, $M = -2$ and $N = 9$, then $\frac{ML^2}{N} =$ _____
- 33) $15 \times 18 =$ _____
- 34) The supplement of a 63° angle is = _____ $^\circ$
- 35) $99 \times 91 =$ _____
- 36) The radius of a circle with circumference 17π is _____
- 37) $11\frac{1}{3} \times 4\frac{1}{3} =$ _____ (mixed number)
- 38) $109 \times 106 =$ _____
- 39) $23_6 =$ _____ ₁₀
- *40) 38% of 8412 is _____

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- 41) $9\frac{1}{3}\%$ = _____ (fraction)
- 42) The base of a triangle with area 36 and height 9 is _____
- 43) $18^2 - 12^2 =$ _____
- 44) If $x^2 = 3$ and $x < 0$, then $x =$ _____
- 45) $32_{10} =$ _____ ₇
- 46) 8% of 17 is 4% of _____
- 47) The prime twin of 107 is _____
- 48) If $\frac{1}{10} + \frac{1}{20} = \frac{1}{x}$, then $x =$ _____
- 49) The largest palindrome smaller than 130 is _____
- *50) $45 \times 142857 =$ _____
- 51) The difference of the supplement and the complement of a 35° angle is _____ ^o
- 52) $13 \times 24 =$ _____
- 53) $1111^2 =$ _____
- 54) $108 \times 97 =$ _____
- 55) $\sqrt{1\frac{11}{25}} =$ _____ (mixed number)
- 56) The number of positive, proper fractions in lowest terms with denominator 7 is _____
- 57) $8 \times 125 =$ _____
- 58) The slope of the line $2y = x - 4$ is _____
- 59) $\{F, I, V, E\} \cup \{T, E, N\}$ has _____ elements
- *60) $\sqrt{60,000} =$ _____
- 61) One square mile = _____ acres
- 62) $\frac{21}{40} =$ _____ %
- 63) $1\bar{7} =$ _____ (fraction)
- 64) $111_4 =$ _____ ₁₀
- 65) The 4th triangular number is _____
- 66) $6^2 + 18^2 =$ _____
- 67) $4! =$ _____
- 68) The diagonal of a square with side 4 is _____
- 69) The probability of randomly drawing a red face card from a standard deck of playing cards is _____
- *70) $7\frac{5}{7} \times 391 \times 7 =$ _____
- 71) The distance between (1, 5) and (2, 6) is _____
- 72) 44 ft/sec = _____ mi/hr
- 73) The next term of 2, 3, 5, 6, 8, ... is _____
- 74) $11011_2 =$ _____ ₈
- 75) $\sqrt{18} =$ _____
- 76) If $f(x) = \sqrt[3]{x}$, the $f\left(\frac{1}{8}\right) =$ _____
- 77) $(x - 4)(x + 4) =$ _____
- 78) An icosahedron has _____ faces
- 79) $2 + 2 =$ _____
- *80) The volume of a cone with radius 5 and height 18 is _____