

2001 - 2002 TMSCA Middle School Number Sense Test # 1

- 1) $143 + 296 =$ _____
- 2) $36 \times 25 =$ _____
- 3) $12^2 =$ _____
- 4) $635 - 477 =$ _____
- 5) $75 \times 11 =$ _____
- 6) $6.81 - 5.09 =$ _____
- 7) $\frac{2}{5} =$ _____ %
- 8) $7 + 8 \times 2 - 1 =$ _____
- 9) $(3 \times 100) + (2 \times 10) - (5 \times 1) =$ _____
- *10) $46 + 83 + 92 + 76 =$ _____
- 11) $101 \times 63 =$ _____
- 12) $\frac{8}{36}$ reduced to lowest terms is _____
- 13) $\frac{3}{4} + \frac{1}{3} =$ _____
- 14) Which is larger, $\frac{3}{8}$ or $\frac{14}{39}$? _____
- 15) The range of 7, 4, 1, 7, 7, 6 is _____
- 16) $3\frac{1}{2} \times 20 =$ _____
- 17) LXIV = _____ Arabic Numeral
- 18) 16 millimeters = _____ meters
- 19) $33 \times 37 =$ _____
- *20) $2\frac{1}{3} \times 3\frac{7}{8} \times 5\frac{2}{5} =$ _____
- 21) $(-2) + (-3) + (-1) - 4 =$ _____
- 22) $111 \times 261 =$ _____
- 23) $1381 \div 9$ has a remainder of _____
- 24) $5 \times 3\frac{3}{5} =$ _____
- 25) $\frac{3}{8} + \frac{6}{16} + \frac{4}{24} =$ _____
- 26) $1\frac{3}{7}\%$ = _____ (fraction)
- 27) If $4x - 12 = 16$, then $x =$ _____
- 28) The additive inverse of $-\frac{1}{2}$ is _____
- 29) $24 \times 31 =$ _____
- *30) $308 \times 197 =$ _____
- 31) If $a = 7$ and $b = 9$, then $\frac{ab}{3} =$ _____
- 32) $7\frac{3}{4} \times 7\frac{1}{4} =$ _____
- 33) 30 % of 15 is _____
- 34) If $\frac{x}{8} = \frac{3}{5}$, then $x =$ _____
- 35) $48 \times 68 =$ _____
- 36) The product of the LCM and the GCF of 12 and 15 is _____
- 37) $103 \times 105 =$ _____
- 38) If one Crunch Bar costs 38 ¢, then a half dozen bars cost \$ _____
- 39) $26^2 - 24^2 =$ _____

2001 - 2002 TMSCA Middle School Number Sense Test # 1

- *40) 36 % of 4312 is _____
- 41) $36_8 =$ _____₁₀
- 42) If $\frac{1}{20} + \frac{1}{30} = \frac{1}{x}$, then $x =$ _____
- 43) The supplement of a 37° angle is _____
- 44) $98 \times 96 =$ _____
- 45) {C, L, O, U, D} has _____ subsets
- 46) $3\frac{1}{3} \times 6\frac{1}{3} =$ _____ (mixed number)
- 47) The area of a square with diagonal 8 is _____
- 48) $111^2 =$ _____
- 49) $1 + 2 + 3 + \dots + 20 + 21 =$ _____
- *50) $\sqrt{4200} =$ _____
- 51) $\frac{11}{40} =$ _____ (decimal)
- 52) One gallon = _____ in^3
- 53) $125 \times 48 =$ _____
- 54) 18 % of 9 is 6 % of _____
- 55) The area of a circle with radius 7 is _____
- 56) $241_5 =$ _____₁₀
- 57) 15° Celsius = _____ $^\circ$ Fahrenheit
- 58) The diagonal of a square with side 9 is _____
- 59) The area of a parallelogram with base 6 and height 4.5 is _____
- *60) $142857 \times 56 =$ _____
- 61) If $32_b = 26_{10}$, then $b =$ _____
- 62) The probability of getting a prime number when rolling one die is _____
- 63) The slope of the line $2x + y = 7$ is _____
- 64) If the hypotenuse of a 30-60-90 triangle measures 16, then the short leg measures = _____
- 65) $9^2 + 18^2 =$ _____
- 66) $\overline{.18} =$ _____ (fraction)
- 67) $11111_2 =$ _____₈
- 68) The surface area of a cube with inner diagonal 5 is _____
- 69) $5! \div 3! =$ _____
- *70) The volume of a sphere with radius 5 is _____
- 71) $\frac{5}{7} + \frac{7}{5} =$ _____ (mixed number)
- 72) $(x + 2)(x - 3) =$ _____
- 73) $\frac{14}{11} \times 14 =$ _____ (mixed number)
- 74) $3367 \times 8 =$ _____
- 75) $43_5 - 22_5 =$ _____₅
- 76) 60 mi/hr = _____ ft/sec
- 77) $104 \times 98 =$ _____
- 78) The slope of the line passing through (9,1) and (0,-2) is _____
- 79) $\sqrt{18}$ simplified is _____
- *80) $3^6 =$ _____