

2003 - 2004 TMSCA Middle School Number Sense Test # 8

- 1) $50\% =$ _____ fraction
- 2) $6 + 7 + 4 + 13 + 2 =$ _____
- 3) $7272 \div 6 =$ _____
- 4) $24 - 8 \div 2 =$ _____
- 5) $17^2 =$ _____
- 6) $2.35\% =$ _____ decimal
- 7) $373 - 186 =$ _____
- 8) $\frac{9}{25} =$ _____ %
- 9) $2003 \times 11 =$ _____
- *10) $21 + 37 + 42 + 18 + 53 + 89 =$ _____
- 11) $(6 \times 1000) + (5 \times 100) - (9 \times 1) =$ _____
- 12) $\$1.85 =$ _____ nickels
- 13) Which is smaller $\frac{5}{8}$ or $\frac{7}{11}$? _____
- 14) $7312 \div 4$ has a remainder of _____
- 15) $63.6 \times 10^{-4} =$ _____
- 16) DLV = _____ Arabic number
- 17) $75^2 =$ _____
- 18) $84.2 \times 50 =$ _____
- 19) $2\frac{3}{5} - .8 =$ _____
- *20) $148 \div 6\frac{3}{7} =$ _____
- 21) $13\frac{2}{3} \times 3 =$ _____
- 22) The mode of 7, 7, 17, 1, 7, 17, 1, 7 and 1 is _____
- 23) $\frac{12}{16} + \frac{15}{20} - \frac{3}{4} + \frac{6}{8} =$ _____
- 24) $7 + (-7) - 6 =$ _____
- 25) $48 \times 12.5 =$ _____
- 26) If $2x + 3 = x - 7$, then $x =$ _____
- 27) $7.5 \times 40 =$ _____
- 28) The width of a rectangle with perimeter 20 and length 7 is _____
- 29) If $\frac{5}{12} = \frac{x}{9}$, then $x =$ _____
- *30) $508 \times 309 =$ _____
- 31) 19 inches = _____ feet
- 32) $5\frac{1}{3} \times 5\frac{2}{3} =$ _____ mixed number
- 33) $1.6 \times 75 =$ _____
- 34) C - XXXVII = _____ Roman numeral
- 35) $2 + 4 + 6 + \dots + 12 + 14 =$ _____
- 36) $5 \div 2\frac{1}{3} =$ _____
- 37) 78 has _____ prime factors
- 38) The circumference of a circle with area 256π is _____
- 39) $38 \times 6 - 4 \times 38 =$ _____
- *40) $\sqrt{13,000} =$ _____
- 41) 45° Celsius = _____ $^\circ$ Fahrenheit
- 42) $82 \times 22 =$ _____
- 43) 8 is 2% of _____

- 44) $93 \times 98 =$ _____
- 45) The diagonal of a square with side 19 is _____
- 46) $14 \times 41 =$ _____
- 47) The product of the LCM and the GCF of 12 and 8 is _____
- 48) $\frac{23}{40} =$ _____ %
- 49) $\overline{.24} =$ _____ fraction
- *50) $9.2 \times 2.6 \times 5.8 \times 3 =$ _____
- 51) $\{h, o, d, g, e\}$ has _____ subsets
- 52) 14 is _____ % less than 20
- 53) $9\frac{1}{2} \times 101 =$ _____
- 54) Subtracting 7.5% of a number from the number is the same as multiplying the number by _____
- 55) If $14_b = 12_{10}$, then $b =$ _____
- 56) $66 \times 16\frac{2}{3} =$ _____
- 57) If $f(x) = .3x + .3$, then $f(7) =$ _____
- 58) $97^2 - 3^2 =$ _____
- 59) $11 \text{ in}^3 =$ _____ gallons
- *60) 16% of 718 is _____
- 61) 16 acres = _____ miles²
- 62) $9^2 + 27^2 =$ _____
- 63) The surface area of a cube with inner diagonal 11 is _____
- 64) $\frac{7}{11} + \frac{11}{7} =$ _____ mixed number
- 65) If the short leg of a 30-60-90 triangle measures $\sqrt{3}$, then the long leg measures _____
- 66) $132_7 =$ _____₁₀
- 67) $\frac{14}{13} \times 14 =$ _____ mixed number
- 68) $3367 \times 21 =$ _____
- 69) The slope of the line $3x + 2y = 16$ is _____
- *70) $\pi^{10} =$ _____
- 71) $111 \times 54 =$ _____
- 72) $\sqrt{2916} =$ _____
- 73) The length of a rectangular prism with volume 40, width 4 and height 2 is _____
- 74) $(n + 7)(n - 3) =$ _____
- 75) The smallest of four consecutive integers whose sum is 2 is _____
- 76) $42_{10} =$ _____₆
- 77) $994 \times 995 =$ _____
- 78) $2 + 2 =$ _____
- 79) If $9^n = 6561$, then $n =$ _____
- *80) $\sqrt{8200} =$ _____