

2003 - 2004 TMSCA Middle School Number Sense Test # 2

- 1) $10\% =$ _____ decimal
- 2) $7 \times 17 =$ _____
- 3) $153 \div 9 =$ _____
- 4) $1.7 + 3.4 + .9 =$ _____
- 5) $1123 - 782 =$ _____
- 6) $18\% =$ _____ fraction
- 7) $1312 \times 11 =$ _____
- 8) $(8 \times 1000) + (6 \times 100) + (5 \times 10) + (0 \times 1) =$

- 9) $13^2 =$ _____
- *10) $24,317 + 7,982 + 163 =$ _____
- 11) $6 \times 199 =$ _____
- 12) $24 - 8 \div 2 + 3 =$ _____
- 13) $244 =$ _____ Roman numeral
- 14) $6.4 \times 10^3 =$ _____
- 15) $848 \times 25 =$ _____
- 16) Which is smaller $\frac{15}{17}$ or $\frac{5}{6}$? _____
- 17) $6\frac{7}{8} \times 8 =$ _____
- 18) $1827 \div 4$ has a remainder of _____
- 19) The mean of 7, 5, 12 and 6 is _____
- *20) $5\frac{1}{3} \times 2\frac{1}{8} \times 3\frac{5}{7} \times 4 =$ _____
- 21) 1.7 millimeters = _____ meters
- 22) $(-5) \times (-12) =$ _____
- 23) $47 \times 43 =$ _____
- 24) $\frac{2}{3} + \frac{6}{9} + \frac{8}{12} =$ _____
- 25) If $\frac{1}{2}a - 3 = 7$, then $a =$ _____
- 26) $5\frac{2}{3}\% =$ _____ fraction
- 27) $14 \times 5.5 =$ _____
- 28) $101 \times 67 =$ _____
- 29) If 3 golf balls cost \$4.35, then a dozen balls cost \$ _____
- *30) $96 \times 395 =$ _____
- 31) $48 \times 125 =$ _____
- 32) $65^2 =$ _____
- 33) $105 \times 107 =$ _____
- 34) $7 \div 1\frac{1}{2} =$ _____
- 35) The area of a circle with radius 4 is _____
- 36) $7\frac{3}{8} \times 7\frac{5}{8} =$ _____ mixed number
- 37) $75 \times 16 =$ _____
- 38) The complement of a 69° angle is _____ $^\circ$
- 39) The perimeter of a square with area 100 is _____
- *40) $27000 \div 114 =$ _____
- 41) $44_7 =$ _____ $_{10}$
- 42) $-8^2 =$ _____
- 43) $33\frac{1}{3} \times 48 =$ _____

- 44) $96 \times 94 =$ _____
- 45) $12 \times 21 - 7 \times 21 =$ _____
- 46) $1111^2 =$ _____
- 47) $7\frac{3}{4} \times 1\frac{3}{4} =$ _____ mixed number
- 48) $\sqrt{12} =$ _____ fraction
- 49) $1 + 3 + 5 + \dots + 17 + 19 =$ _____
- *50) $\sqrt{18,000} =$ _____
- 51) $\frac{13}{40} =$ _____ decimal
- 52) The product of the LCM and the GCF of 18 and 21 is _____
- 53) 21 is 7% of _____
- 54) The area of a square with diagonal 6 is _____
- 55) 40 is two and one-half of _____
- 56) $24 \times 17 =$ _____
- 57) 24 is _____ % less than 32
- 58) $22^2 - 18^2 =$ _____
- 59) If $f(x) = 3x^2$, then $f(-2) =$ _____
- *60) $\pi^7 =$ _____
- 61) The number of positive, proper fractions in lowest terms with denominator 9 is _____
- 62) If $(0,b)$ is the y-intercept of the line $2y = 6x + 8$, then $b =$ _____
- 63) One square mile = _____ acres
- 64) $231_5 =$ _____₁₀
- 65) If a leg of a 45-45-90 triangle measures 15, then the hypotenuse measures _____
- 66) The lateral surface area of a cone with radius 5 and slant height 9 is _____
- 67) $6^2 + 18^2 =$ _____
- 68) 60 miles/hour = _____ feet/second
- 69) $\frac{15}{13} \times 15 =$ _____ mixed number
- *70) $91 \div 4\frac{3}{11} =$ _____
- 71) $18 \times 3367 =$ _____
- 72) The slope of the line passing through $(-2,0)$ and $(-1,-3)$ is _____
- 73) $111 \times 143 =$ _____
- 74) If $8^n = 4096$, then $n =$ _____
- 75) $46_8 - 27_8 =$ _____₈
- 76) $(x-5)(x+4) =$ _____
- 77) $994 \times 993 =$ _____
- 78) $16 \div 4 =$ _____
- 79) $\sqrt{8}$ simplified is _____
- *80) $1 + 2 + 3 + 4 + 5 =$ _____