

2003 - 2004 TMSCA Middle School Number Sense Test # 4

- 1) $16 + 9 + 23 =$ _____
- 2) $\frac{4}{5} =$ _____ decimal
- 3) $2 \times 398 =$ _____
- 4) $75\% =$ _____ fraction
- 5) $6\frac{1}{2} =$ _____ %
- 6) $3 \times 67 =$ _____
- 7) $682 - 349 =$ _____
- 8) $17^2 =$ _____
- 9) $\frac{11}{20} =$ _____ %
- *10) $48 + 47 + 46 + 45 + 44 + 43 =$ _____
- 11) $\frac{5}{6} - \frac{1}{2} =$ _____
- 12) $32 \div 4 - 3 \times 2 =$ _____
- 13) $11 \times 92 =$ _____
- 14) $8.8 \times 10^{-3} =$ _____
- 15) $99 =$ _____ Roman numeral
- 16) The range of 1, 7, 0, 4, 12 and 5 is _____
- 17) Which is larger $\frac{2}{3}$ or $\frac{7}{10}$? _____
- 18) $128 \times 25 =$ _____
- 19) $3\frac{1}{7}\% =$ _____ fraction
- *20) $5\frac{2}{3} \times 462 =$ _____
- 21) 770 has _____ prime factors
- 22) $(-3) + (-6) + 9 =$ _____
- 23) $85 \times 85 =$ _____
- 24) $6714 \div 9$ has a remainder of _____
- 25) $77 \times 73 =$ _____
- 26) 22 inches = _____ feet
- 27) The perimeter of a rectangle with length 7 and width 2.5 is _____
- 28) $XVI + IX =$ _____ Arabic number
- 29) $52 \times 75 =$ _____
- *30) $7.3 \times 1.6 \times 2.7 =$ _____
- 31) $35 \div 3\frac{1}{2} =$ _____
- 32) $18 \times 45 =$ _____
- 33) If $4n - 8 = 36$, then $n =$ _____
- 34) If a golf ball costs \$2.45, then a package of three balls costs \$ _____
- 35) $5\frac{4}{5} \times 5\frac{1}{5} =$ _____ mixed number
- 36) $72 \times 125 =$ _____
- 37) $106^2 =$ _____
- 38) The area of a circle with circumference 12π is _____
- 39) The LCM of 8 and 22 is _____
- *40) $88 \div 3.6 =$ _____
- 41) $-9^2 =$ _____
- 42) The number of positive, proper fraction in lowest terms with denominator 8 is _____

- 43) $\{a, r, p\} \cap \{h, o, d, g, e\}$ has _____ elements
- 44) $34 \times 4 + 16 \times 4 =$ _____
- 45) $.555\dots =$ _____ fraction
- 46) $63 \times 43 =$ _____
- 47) The difference between the supplement and the complement of a 17° angle is _____ $^\circ$
- 48) $27^2 - 13^2 =$ _____
- 49) The side of a square with diagonal 16 is _____
- *50) 16% of 3821 is _____
- 51) 6 is 12% of _____
- 52) Subtracting 24% of a number from the number is the same as multiplying the number by _____
- 53) If $f(x) = \sqrt{x+2}$, then $f(119) =$ _____
- 54) $11\frac{1}{3} \times 4\frac{1}{3} =$ _____ mixed number
- 55) $267 \times 111 =$ _____
- 56) $121_6 =$ _____ $_{10}$
- 57) $\frac{1}{2}$ sq. mile = _____ acres
- 58) 35 is one and two-thirds of _____
- 59) $16\frac{2}{3} \times 42 =$ _____
- *60) $22 \times 142857 =$ _____
- 61) $4^2 + 12^2 =$ _____
- 62) The product of the GCF and the LCM of 52 and 58 is _____
- 63) $46 \times 23 =$ _____
- 64) The slope of the line passing through (1,1) and (0,2) is _____
- 65) $3367 \times 24 =$ _____
- 66) If the hypotenuse of an isosceles right triangle measures $8\sqrt{2}$, then a leg measures _____
- 67) $\frac{1}{7}$ gallon = _____ in^3
- 68) $25_{10} =$ _____ $_5$
- 69) The surface area of a cube with inner diagonal 9 is _____
- *70) $\pi^8 =$ _____
- 71) 44 feet/sec = _____ miles/hour
- 72) $\frac{16}{13} \times 16 =$ _____ mixed number
- 73) $6\frac{1}{4} \times 4\frac{1}{2} =$ _____ mixed number
- 74) $(n-2)^2 =$ _____
- 75) $7! \div 5! =$ _____
- 76) The volume of a rectangular prism with length 3, width 2 and height $\frac{1}{6}$ is _____
- 77) $53_7 - 26_7 =$ _____ $_7$
- 78) If $6^n = 1296$, then $n =$ _____
- 79) $8 + 8 =$ _____
- *80) The surface area of a sphere with radius 7 is _____