

2003 - 2004 TMSCA Middle School Number Sense Test # 10

- 1) $\frac{1}{2} + \frac{1}{2} =$ _____
- 2) $689 + 986 =$ _____
- 3) $86\% =$ _____ fraction
- 4) $16 + 10 \div 2 =$ _____
- 5) $3\frac{1}{2} =$ _____ %
- 6) $84 \div 14 =$ _____
- 7) $5 \times 2.2 =$ _____
- 8) $.02\% =$ _____ decimal
- 9) $16 \times 25 =$ _____
- *10) $6\frac{3}{8} + 2\frac{5}{11} + 17\frac{7}{12} + 4\frac{3}{5} =$ _____
- 11) $4242 \div 6 =$ _____
- 12) $\$2.35 =$ _____ nickels
- 13) $LX + IX =$ _____ Arabic number
- 14) The mode of 12, 2, 21, 1, 2, 22, 12, and 2 is _____
- 15) $35^2 =$ _____
- 16) $(5 \times 100) - (7 \times 10) + (6 \times 1) =$ _____
- 17) $6\frac{3}{8} \times 8 =$ _____
- 18) $867 \div 9$ has a remainder of _____
- 19) $\frac{7}{8} - \frac{3}{4} =$ _____
- *20) $2\frac{2}{5} \times 3\frac{1}{8} \times 1\frac{1}{3} \times 5 =$ _____
- 21) 8 meters - 28 centimeters = _____ centimeters
- 22) $104 \times 12\frac{1}{2} =$ _____
- 23) $3.5 \times 101 =$ _____
- 24) The mean of 95, 94, 91 and 92 is _____
- 25) Which is larger $-\frac{5}{9}$ or $-\frac{8}{15}$? _____
- 26) $2\frac{6}{11}\% =$ _____ fraction
- 27) The perimeter of a rectangle with length $5\frac{1}{4}$ and width $2\frac{7}{4}$ is _____
- 28) If a bag of 200 golf tees costs \$6, then one tee costs _____¢
- 29) $14 \div 3\frac{1}{2} =$ _____
- *30) $75 \div 2\frac{3}{7} =$ _____
- 31) $12 \times 5\frac{1}{3} =$ _____
- 32) The area of a circle with diameter 2 is _____
- 33) $32 \times 7.5 =$ _____
- 34) $(-4) + (-8) + (-11) - 2 =$ _____
- 35) $19 \times 16 - 16 \times 16 =$ _____
- 36) If $5(2n + 3) = 20$, then $n =$ _____
- 37) $74 \times 34 =$ _____
- 38) The cost of driving a car 360 miles at \$.25 per mile is \$ _____
- 39) $97 \times 96 =$ _____
- *40) $\sqrt{2200} =$ _____

- 41) 59° Farrenheit = _____ $^\circ$ Celsius
- 42) $16\frac{2}{3} \times 54 =$ _____
- 43) {j, o, h, n} has _____ subsets
- 44) $\overline{.63} =$ _____ fraction
- 45) $9\frac{1}{5} \times 6\frac{1}{5} =$ _____ mixed number
- 46) $73 \times 21 =$ _____
- 47) 2% of 27 is 9% of _____
- 48) If $\frac{1}{8} + \frac{1}{4} = \frac{1}{x}$, then $x =$ _____
- 49) 3 is 9% of _____
- *50) $14285 \times 29 =$ _____
- 51) The side of a square with diagonal $23\sqrt{2}$ is _____
- 52) $\frac{1}{4}$ sq. mile = _____ acres
- 53) 35 is one and two-fifths of _____
- 54) Adding 25% of a number to the number is the same as multiplying the number by _____
- 55) $114 \times 103 =$ _____
- 56) If $f(x) = \sqrt[3]{x}$, then $f(-27) =$ _____
- 57) $\frac{5}{8} + \frac{8}{5} =$ _____ mixed number
- 58) $141_6 =$ _____ $_{10}$
- 59) $6^2 + 12^2 =$ _____
- *60) 18% of 3612 is _____
- 61) The surface area of a cube with inner diagonal l is _____
- 62) The product of the LCM and the GCF of 13 and 18 is _____
- 63) $\frac{3}{40} =$ _____ %
- 64) $3367 \times 12 =$ _____
- 65) The slope of the line passing through $(2.5, 4)$ and $(-\frac{1}{2}, 0)$ is _____
- 66) $\sqrt{784} =$ _____
- 67) The radius of a sphere with surface area 64π is _____
- 68) $995 \times 999 =$ _____
- 69) $2! + 3! =$ _____
- *70) $165 \div 4.7 =$ _____
- 71) If a leg of an isosceles right triangle measures 33, then the hypotenuse measures _____
- 72) $\frac{13}{11} \times 13 =$ _____ mixed number
- 73) If $(0, b)$ is the y-intercept of the line $5x - 2y = 1$, then $b =$ _____
- 74) $(2a + 3)(2a - 3) =$ _____
- 75) $9\frac{1}{4} \times 8\frac{2}{3} =$ _____ mixed number
- 76) $32_{10} =$ _____ $_5$
- 77) The largest of four consecutive integers whose sum is 38 is _____
- 78) If $7^n = 16,807$, then $n =$ _____
- 79) $\sqrt{25} =$ _____
- *80) $\pi^4 =$ _____