

2000 - 2001 TMSCA Middle School Number Sense Test # 5

- 1) $174 \times 50 =$ _____
- 2) $30^2 =$ _____
- 3) $4.5 + 2.5 =$ _____
- 4) $\frac{4}{7} + \frac{4}{7} + \frac{4}{7} + \frac{2}{7} =$ _____
- 5) $3636 \div 9 =$ _____
- 6) $45^2 =$ _____
- 7) $1415 - 787 =$ _____
- 8) $\frac{5}{8} =$ _____ %
- 9) $4 \times 23 + 17 \times 4 =$ _____
- *10) 48% of 3795 = _____
- 11) 86 = _____ Roman Numeral
- 12) $52 \times 75 =$ _____
- 13) $6 \times 100 + 8 \times 10 - 5 \times 1 =$ _____
- 14) $3512 \times 1.1 =$ _____
- 15) \$2.85 = _____ nickels
- 16) $101 \times 4.8 =$ _____
- 17) $4 + 7 \times 2 - 3 =$ _____
- 18) The median of 3, 7, 8 and 15 is _____
- 19) $\frac{7}{9} + \frac{1}{3} =$ _____
- *20) $48,271 + 31,426 - 14,299 =$ _____
- 21) $123 \div 9 =$ _____ (mixed number)
- 22) $4.01 \times 10^{-2} =$ _____
- 23) $82 \times 88 =$ _____
- 24) If three rose bushes cost \$5.97, then one bush costs \$ _____
- 25) $\sqrt{961} =$ _____
- 26) $48 \times 16\frac{2}{3} =$ _____
- 27) The area of a square with side 17 is _____
- 28) If $a = -4$, $b = 2$ and $c = -1$, then $\frac{bc}{a} =$ _____
- 29) 43 cm = _____ meters
- *30) $194 \times 708 =$ _____
- 31) $17 \div 5\frac{2}{3} =$ _____
- 32) The smallest positive, prime number is _____
- 33) If $-3n - 1 = 5$, then $n =$ _____
- 34) $4\frac{2}{7} \times 3\frac{2}{7} =$ _____ (mixed number)
- 35) The perimeter of a rhombus with side $\frac{1}{8}$ is _____
- 36) The reciprocal of $-\frac{1}{6}$ is _____
- 37) $125 \times 24 =$ _____
- 38) The product of the LCM and the GCF of 6 and 19 is _____
- 39) $66\frac{2}{3}\%$ of 36 is _____
- *40) $4176 \div 111 =$ _____

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- 41) The complement of a 2° angle is _____ $^\circ$
- 42) $7_{10} =$ _____ $_3$
- 43) The simple interest on \$4500 at 9% interest for 4 months is \$ _____
- 44) $1 + 2 + 3 + \dots + 99 + 100 =$ _____
- 45) $\frac{1}{3}$ gallon = _____ in^3
- 46) $76 \times 36 =$ _____
- 47) $12\frac{1}{2} \times 72 =$ _____
- 48) The diagonal of a rectangle with length 8 and width 6 is _____
- 49) 19 is 2% of _____
- *50) $\sqrt{44,000} =$ _____
- 51) $\{t, r, a, s, h\} \cap \{b, a, g\}$ has _____ subsets
- 52) $1234 \times 9 + 5 =$ _____
- 53) The number of positive, proper fractions in lowest terms with denominator 14 is _____
- 54) If $x^3 = 5$, then $x =$ _____
- 55) $28 \times 32 =$ _____
- 56) $34_7 =$ _____ $_{10}$
- 57) The surface area of a cube with edge 9 is _____
- 58) $111 \times 25 =$ _____
- 59) $992 \times 996 =$ _____
- *60) $14^4 =$ _____
- 61) The next term in the sequence 16, 17, 13, 18, 10, 19, ... is _____
- 62) $\sqrt{200} =$ _____
- 63) $11,111^2 =$ _____
- 64) $\bar{4} + \bar{6} =$ _____
- 65) $7^2 + 14^2 =$ _____
- 66) The slope of the line $x - 3y = 19$ is _____
- 67) 2π radians = _____ degrees
- 68) $35_{10} =$ _____ $_4$
- 69) If $f(x) = x \div \frac{1}{4}$, then $f(9) =$ _____
- *70) $\pi^0 =$ _____
- 71) $10\frac{1}{3} \times 3\frac{3}{5} =$ _____ (mixed number)
- 72) $\sqrt{(8)(18)} =$ _____
- 73) The sum of the interior angles of a decagon is $^\circ$
- 74) If $3^n = 243$, then $n =$ _____
- 75) $\frac{16}{13} \times 16 =$ _____ (mixed number)
- 76) $33_5 - 24_5 =$ _____ $_5$
- 77) The smallest of 3 consecutive integers whose sum is 102 is _____
- 78) The probability of drawing a green 9 from a standard deck of playing cards is _____
- 79) How many days are there from May 27, 2000 to July 4, 2000? _____
- *80) $142857 \times 38 =$ _____