

2000 - 2001 TMSCA Middle School Number Sense Test # 3

- 1) $11 \times 1342 =$ _____
- 2) $765 + 567 =$ _____
- 3) $1998 \times 3 =$ _____
- 4) $25 \times 16 =$ _____
- 5) $742 - 89 =$ _____
- 6) $\frac{4}{5} =$ _____ %
- 7) $9 \times 1000 + 6 \times 100 + 8 \times 1 =$ _____
- 8) XXIX = _____ Arabic Numeral
- 9) $47 \times 43 =$ _____
- *10) $986 + 421 + 619 - 205 =$ _____
- 11) $19^2 =$ _____
- 12) $174 \div 9 =$ _____ (mixed number)
- 13) $18 + 36 \div 9 =$ _____
- 14) $12\frac{1}{2} \times 48 =$ _____
- 15) $70\% =$ _____ (fraction)
- 16) $34 \times 202 =$ _____
- 17) $9 \times 14 + 9 \times 16 =$ _____
- 18) $9\frac{7}{9} \times 9 =$ _____
- 19) Which is larger $-\frac{5}{8}$ or $-\frac{8}{13}$? _____
- *20) $3\frac{4}{5} \times 19 \times 2\frac{1}{4} \times 12 =$ _____
- 21) 40% of 250 is _____
- 22) The area of a triangle with base 11 and height 8 is _____
- 23) $472 \times 50 =$ _____
- 24) The GCF of 18 and 81 is _____
- 25) $\sqrt{900} =$ _____
- 26) 30 has _____ positive, prime divisors
- 27) If $a = 3$ and $b = \frac{1}{2}$, then $a^2b =$ _____
- 28) $107 \times 108 =$ _____
- 29) If $\frac{n}{5} - 3 = 1$, then $n =$ _____
- *30) $4781 \div 18 =$ _____
- 31) .0035 kilograms = _____ centigrams
- 32) $16\frac{2}{3} \times 18 =$ _____
- 33) The mean of 97, 93 and 98 is _____
- 34) $24^2 - 14^2 =$ _____
- 35) The circumference of a circle with radius $2\frac{1}{2}$ is _____
- 36) $3\frac{1}{3} - 1\frac{2}{3} =$ _____
- 37) If a dozen golf balls cost \$11.40, then 3 balls cost \$ _____
- 38) $6\frac{1}{5} \times 4\frac{1}{5} =$ _____ (mixed number)
- 39) $91 \times 99 =$ _____
- *40) 18% of 41,623 = _____

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- 41) $\{t, u, l, i, p\} \cap \{c, u, p\}$ has _____ elements
- 42) $83 \times 23 =$ _____
- 43) $44 \text{ ft/sec} =$ _____ mi/hr
- 44) $\frac{17}{40} =$ _____ (decimal)
- 45) The simple interest on \$2000 at 8% interest for 3 months is \$ _____
- 46) $3\frac{1}{8}\%$ = _____ (fraction)
- 47) $5 \text{ ft} \times 9 \text{ ft} \times 21 \text{ ft} =$ _____ yds³
- 48) $3 + 6 + 9 + \dots + 15 + 18 =$ _____
- 49) If $\frac{1}{4} + \frac{1}{5} = \frac{1}{x}$, then $x =$ _____
- *50) $2^{10} =$ _____
- 51) 15 is 3% of _____
- 52) $35_6 =$ _____₁₀
- 53) $23_{10} =$ _____₅
- 54) The diagonal of a rectangle with length 15 and width 8 is _____
- 55) The next term in the sequence 1, 3, 2, 6, 4, 9, ... is _____
- 56) $19 \times 21 =$ _____
- 57) The edge of a cube with surface area 96 is _____
- 58) $\sqrt[3]{8} =$ _____
- 59) $111^2 =$ _____
- *60) $142857 \times 60 =$ _____
- 61) The number of positive, proper fractions in lowest terms with denominator 12 is _____
- 62) $111 \times 32 =$ _____
- 63) $9^2 + 27^2 =$ _____
- 64) $3! + 2! =$ _____
- 65) $8\frac{1}{5} \times 5\frac{1}{4} =$ _____ (mixed number)
- 66) If 2 a's = 9 b's and 5 b's = 4 c's, then 1 a = _____ c's
- 67) $\sqrt[2]{\frac{1}{4}} =$ _____
- 68) $102 \times 97 =$ _____
- 69) The x-coordinate of the midpoint between (5, 9) and (2, 7) is _____
- *70) $29 \times 30 \times 31 =$ _____
- 71) If the hypotenuse of a 30 - 60 - 90 triangle measures 16, then the short leg measures _____
- 72) If $f(x) = x^2 - 4$, then $f(-1) =$ _____
- 73) $\frac{8}{11} + \frac{11}{8} =$ _____ (mixed number)
- 74) The 6th triangular number is _____
- 75) 32 is what % less than 40? _____ %
- 76) $3367 \times 36 =$ _____
- 77) If $7^n = 2401$, then $n =$ _____
- 78) The sum of the interior angles of an octagon is _____^o
- 79) $10_2 + 11_2 =$ _____₂
- *80) The volume of a sphere with radius 3 is _____