

2001 - 2002 TMSCA Middle School Number Sense Test # 3

- 1) $117 + 345 =$ _____
- 2) $101 \times 68 =$ _____
- 3) $19\% =$ _____ (fraction)
- 4) $1998 \times 3 =$ _____
- 5) $562 - 388 =$ _____
- 6) $4242 \div 7 =$ _____
- 7) $16 \times 25 =$ _____
- 8) $\frac{17}{51}$ reduced to lowest terms is _____
- 9) $13^2 =$ _____
- *10) $78 + 143 + 95 + 83 + 9 =$ _____
- 11) $\frac{7}{8} - \frac{4}{5} =$ _____
- 12) $11 \times 6721 =$ _____
- 13) $9 + 6 \div 3 - 1 =$ _____
- 14) $2.14 \times 10^{-2} =$ _____
- 15) $1423 \div 4$ has a remainder of _____
- 16) $65 \times 65 =$ _____
- 17) The mean of 13, 18 and 17 is _____
- 18) Which is smaller - $\frac{3}{8}$ or $\frac{4}{13}$? _____
- 19) $112 \times 50 =$ _____
- *20) 71% of 5192 = _____
- 21) MMCCXLIV = _____ Arabic Numeral
- 22) The reciprocal of $2\frac{1}{5}$ is _____
- 23) $54 \times 54 =$ _____
- 24) $5.5 \times 14 =$ _____
- 25) 9% of 17 is _____
- 26) $3\frac{1}{3}\%$ = _____ (fraction)
- 27) $(-3) + (-1) + 7 - (-2) =$ _____
- 28) $38 \times 111 =$ _____
- 29) If $\frac{3}{x} = \frac{7}{9}$, then $x =$ _____
- *30) $392 \times 187 =$ _____
- 31) $\frac{2}{6} + \frac{4}{12} + \frac{3}{9} =$ _____
- 32) $12 \div 3\frac{1}{2} =$ _____
- 33) If $a = -1$ and $b = 4$, then $a^2b^2 =$ _____
- 34) $28 \times 22 =$ _____
- 35) $105 \times 102 =$ _____
- 36) If $\frac{a}{4} + 7 = 15$, then $a =$ _____
- 37) $32^2 - 18^2 =$ _____
- 38) $43 \times 28 =$ _____
- 39) If half a dozen brownies cost \$1.02, then one brownie cost _____ ¢
- *40) $2912 \div 31 =$ _____
- 41) 16 is 4% of _____

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- 42) $83 \times 23 =$ _____
- 43) $2\frac{1}{4} \times 10\frac{1}{4} =$ _____ (mixed number)
- 44) $\{B, L, U, E\} \cup \{S, K, Y\}$ has _____ elements
- 45) The area of a circle with diameter 4 is _____
- 46) $7 \times 62 + 62 \times 3 =$ _____
- 47) 32 ounces = _____ pounds
- 48) $42_7 =$ _____ $_{10}$
- 49) $\frac{17}{40} =$ _____ (decimal)
- *50) $4^5 =$ _____
- 51) The area of a rectangle with length 14 and width 9 is _____
- 52) If $\frac{1}{7} + \frac{1}{3} = \frac{1}{x}$, then $x =$ _____
- 53) 9% of 17 is 3% of _____
- 54) The sum of the complement and the supplement of a 40° angle is _____ $^\circ$
- 55) $11,111^2 =$ _____
- 56) 20° Celsius = _____ $^\circ$ Fahrenheit
- 57) $\sqrt{(18)(50)} =$ _____
- 58) $122_3 =$ _____ $_{10}$
- 59) The diagonal of a square with side 5 is _____
- *60) $\pi^7 =$ _____
- 61) $3! + 2! + 1! =$ _____
- 62) The largest of three consecutive integers whose sum is 54 is _____
- 63) The slope of the line passing through (0, 5) and (2, 6) is _____
- 64) If $45_b = 33_{10}$, then $b =$ _____
- 65) If $f(x) = 3x - 7$, then $f(-3) =$ _____
- 66) The surface area of a cube with diagonal 6 is _____
- 67) 30 mi/hr = _____ ft/sec
- 68) $10001_2 =$ _____ $_8$
- 69) $6^2 + 18^2 =$ _____
- *70) $\sqrt{19000} =$ _____
- 71) $(x + 6)(x - 6) =$ _____
- 72) If a leg of a 45-45-90 triangle measures 7, then the hypotenuse measures _____
- 73) $5\frac{1}{3} \times 6\frac{1}{5} =$ _____ (mixed number)
- 74) $\frac{17}{14} \times 17 =$ _____ (mixed number)
- 75) $\frac{5}{9} + \frac{9}{5} =$ _____ (mixed number)
- 76) $12 \times 3367 =$ _____
- 77) $993 \times 998 =$ _____
- 78) $14_5 + 23_5 =$ _____ $_5$
- 79) The distance between (0, 5) and (-6, -3) is _____
- *80) The volume of a cone with radius 6 and height 5 is _____