

1997 - 1998 TMSCA Middle School Number Sense Test # 5

- 1) $10\% =$ _____ (fraction)
- 2) $1000 - 481 =$ _____
- 3) $87 + 36 =$ _____
- 4) $1.17 + .23 =$ _____
- 5) $\frac{1}{2} + \frac{2}{4} + \frac{3}{6} + \frac{4}{8} =$ _____
- 6) $48 \times 25 =$ _____
- 7) $101 \times 33 =$ _____
- 8) $\frac{2}{5} =$ _____ %
- 9) $65^2 =$ _____
- *10) $\frac{1}{2}$ of 3781 = _____
- 11) $325 \div 9$ has a remainder of _____
- 12) $1998 \times 5 =$ _____
- 13) $7 \times 18 + 18 \times 3 =$ _____
- 14) $25 \div 5 + 5 \div 5 =$ _____
- 15) $3\frac{1}{3}\% =$ _____ (fraction)
- 16) $37 \times 33 =$ _____
- 17) $2\frac{1}{8} - \frac{3}{8} =$ _____
- 18) $10\frac{7}{8} \times 8 =$ _____
- 19) $XXIV + VI =$ _____ Arabic Numeral
- *20) $382 \times 279 =$ _____
- 21) $\$2.35 =$ _____ nickels
- 22) $.003 \text{ Km} =$ _____ meters
- 23) $1 + 2 + 3 + \dots + 14 + 15 =$ _____
- 24) $75 \times 8 =$ _____
- 25) If $x = -3$, then $x^2 =$ _____
- 26) $25 \div 2\frac{1}{2} =$ _____
- 27) $1\frac{1}{3} \times 15 =$ _____
- 28) The perimeter of a rectangle with length 6 and width $2\frac{1}{2}$ is _____
- 29) The largest prime number less than 37 is _____
- *30) $12 \times 19 + 23 \times 12 =$ _____
- 31) $3\frac{1}{2}$ feet = _____ inches
- 32) $\sqrt{121} =$ _____
- 33) $31_8 =$ _____₁₀
- 34) $24 \times 111 =$ _____
- 35) $96 \times 96 =$ _____
- 36) $\frac{21}{40} =$ _____ (decimal)
- 37) The range of 12, 17, 9 and 6 is _____
- 38) $8 \times 125 =$ _____
- 39) $5\frac{2}{3} \times 5\frac{1}{3} =$ _____ (mixed number)
- *40) $\pi^5 =$ _____

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- 41) If $a = 1$, $b = -1$ and $c = -2$, then $abc =$ _____
- 42) A rhombus has _____ sides
- 43) $18^2 - 12^2 =$ _____
- 44) The diagonal of a square with side 8 is _____
- 45) $286 - 302 =$ _____
- 46) If $\frac{3}{7} = \frac{x}{5}$, then $x =$ _____
- 47) $\frac{2}{3} =$ _____ %
- 48) The next term of 0, 1, 8, 27, ... is _____
- 49) $2^8 =$ _____
- *50) $5\frac{1}{3} \times 728 \div 16 =$ _____
- 51) A right angle measures = _____ $^{\circ}$
- 52) One $\text{yd}^3 =$ _____ ft^3
- 53) If $\frac{a}{7}$ and $\frac{b}{7}$ each have a remainder of 4, then $\frac{ab}{7}$ has a remainder of _____
- 54) $6^2 + 18^2 =$ _____
- 55) $12 \text{ ft} \times 3 \text{ ft} \times 6 \text{ ft} =$ _____ yd^3
- 56) $123 \times 9 + 4 =$ _____
- 57) $20^{\circ}\text{C} =$ _____ $^{\circ}\text{F}$
- 58) The slope of the line passing through (0, 4) and (3, 0) is _____
- 59) If $f(x) = x^2 + 2x$, then $f(-1) =$ _____
- *60) $11 \times 13 \times 15 =$ _____
- 61) $\{P, L, A, N, E\} \cap \{W, I, N, G\}$ has _____ elements
- 62) $(\sqrt{2})^2 =$ _____
- 63) 42 is 14% of _____
- 64) $\sqrt[3]{8} =$ _____
- 65) If 2 a's = 6 b's and 4 b's = 8 c's, then 1 a = _____ c's
- 66) The simple interest on \$2500 for 4 years at 4% interest is \$ _____
- 67) If $21_b = 13_{10}$, then $b =$ _____
- 68) 88 ft/sec = _____ mi/hr
- 69) If $x^2 = 10$ and $x > 0$, then $x =$ _____
- *70) $3 \times 142857 =$ _____
- 71) $6! =$ _____
- 72) If $x = 4$, then $x^2 - 6x + 9 =$ _____
- 73) $7\frac{1}{6} \times 6\frac{1}{7} =$ _____
- 74) $1210_3 =$ _____
- 75) $10 - 4^{-1} =$ _____
- 76) $\sqrt[3]{64} =$ _____
- 77) $90^{\circ} =$ _____ radians
- 78) $3 + 3 =$ _____
- 79) The largest of 3 consecutive even integers whose sum is 48 is _____
- *80) $\sqrt{5400} =$ _____