

1996 - 1997 TMSCA Middle School Number Sense Test # 3

- 1) $1998 + 1997 =$ _____
- 2) $11^2 =$ _____
- 3) $\frac{4}{5} =$ _____ %
- 4) $728 - 439 =$ _____
- 5) $25 \times 44 =$ _____
- 6) $2436 \div 4 =$ _____
- 7) 10 = _____ Roman Numeral
- 8) $(4 \times 1000) + (9 \times 100) + (2 \times 10) - (3 \times 1) =$

- 9) $17\frac{1}{2} =$ _____ (decimal)
- *10) $29 + 39 + 49 + 59 =$ _____
- 11) $\frac{3}{8} - \frac{1}{4} =$ _____
- 12) $16 + 12 \div 4 =$ _____
- 13) $48 \times 42 =$ _____
- 14) $3152 \div 9$ has a remainder of _____
- 15) 20 minutes = _____ hour
- 16) $65^2 =$ _____
- 17) .63 ml = _____ liters
- 18) $2 \times 17 \times 5 =$ _____
- 19) $50 \times 38 =$ _____
- *20) $7\frac{5}{8} + 19\frac{3}{4} + 21\frac{1}{4} + 9\frac{3}{7} =$ _____
- 21) The GCF of 16 and 24 is _____
- 22) $4.7 \times 101 =$ _____
- 23) $\sqrt{169} =$ _____
- 24) The reciprocal of $-1\frac{1}{2}$ is _____
- 25) $12 \div 2\frac{1}{2} =$ _____
- 26) $107 \times 109 =$ _____
- 27) One gallon = _____ ounces
- 28) $185 \div 9 =$ _____ (mixed number)
- 29) The range of 4, 1, 0, 6, -1 is _____
- *30) $12,000 + 397 \times 89 =$ _____
- 31) $\overline{.15} =$ _____ (fraction)
- 32) $89 \times 95 =$ _____
- 33) The perimeter of a rectangle with length 22 and width 18 is _____
- 34) $13_{10} =$ _____ ₆
- 35) $39 \times 79 =$ _____
- 36) The mean of 46, 45, 49 and 48 is _____
- 37) The difference between the supplement and the complement of an 80° angle is _____^o
- 38) $2 + 4 + 6 + \dots + 14 + 16 =$ _____
- 39) $\frac{19}{40} =$ _____ (decimal)
- *40) $74820 \div 320 =$ _____
- 41) $8\frac{1}{3} \times 3 =$ _____

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42) If 4 golf balls cost \$5.00, then 2 dozen balls cost \$ _____

43) $7\frac{2}{5} \times 3\frac{2}{5} =$ _____ (mixed number)

44) The sum of the complement and the supplement of a 40° angle is _____^o

45) $(-3)(-4)(-5) =$ _____

46) $\frac{4}{125} =$ _____ (decimal)

47) The next term of the sequence 0, 1, 1, 2, 3, ... is _____

48) The area of a square with diagonal 6 is _____

49) $762 - 841 =$ _____

*50) $64 \times 31 - 43 \times 32 =$ _____

51) The number 80 has how many distinct prime factors? _____

52) $371 \times 101 =$ _____

53) $7 \text{ ft} \times 12 \text{ ft} \times 9 \text{ ft} =$ _____ yds³

54) $\sqrt[3]{1\frac{7}{9}} =$ _____

55) The largest prime factor of 17^2 is _____

56) $5! =$ _____

57) If $x^2 = 3$, then $x =$ _____

58) How many diagonals can be drawn from a vertex of an octagon? _____

59) The measure of an exterior angle of a regular hexagon is _____

*60) $\frac{3}{5} \times 8102 \div 3 =$ _____

61) The Power set of { E, A, G, L, E } has how many elements? _____

62) $12_6 =$ _____₈

63) $3^4 =$ _____

64) The prime twin of 17 is _____

65) $\sqrt{12} =$ _____

66) The area of a circle with diameter 6 is _____

67) The slope of the line $2y = 4x + 8$ is _____

68) $1111^2 =$ _____

69) Find the largest of three consecutive odd integers whose sum is 45. _____

*70) $46 \times 142857 =$ _____

71) $110011_2 =$ _____₈

72) $(x - 2)(x + 2) =$ _____

73) $123 \times 9 + 4 =$ _____

74) Find the number of proper fractions in lowest terms with a denominator of 9. _____

75) The length of the diagonal of a square with side 12 is _____

76) $402_5 + 113_5 =$ _____₅

77) $4\frac{1}{8} \times 8\frac{1}{2} =$ _____ (mixed number)

78) The surface area of a cube with edge 1 is _____

79) $998^2 =$ _____

*80) $16\pi^2 =$ _____