2002 - 2003 TMSCA Middle School Number Sense Test # 1

1) 4318 + 1492 = _____

2) 60% = _____ (fraction)

3) 271 - 186 = _____

4) 121212 ÷ 4 = _____

5) 11 × 5371 = _____

6) $\frac{3}{4}$ = _____ %

7) 25 × 48 = _____

8) 3 × 1998 = _____

9) $\frac{7}{20}$ = _____ (decimal)

*10) 34,126 + 17,902 + 365 = _____

11) 1.35 = _____ %

12) 101 × 92 = _____

13) XXIV = _____ Arabic Numeral

14) $\frac{21}{36}$ reduced to lowest terms is _____

15) 13^2 = _____

16) $\frac{4}{7}+\frac{1}{3}$ = _____

17) 1.75 feet = _____ inches

18) 2.8×10^4 = _____

19) 86 × 84 = _____

*20) $4\frac{1}{3}+5\frac{3}{8}+7\frac{5}{9}+6\frac{2}{11}$ = _____

21) 8 + 4 ÷ 4 = _____

22) $5\times 4\frac{3}{5}$ = _____

23) 461 ÷ 9 has a remainder of _____

24) $\frac{3}{8}+\frac{6}{16}+\frac{9}{24}$ = _____

25) $4\frac{1}{3}\%$ = _____ (fraction)

26) 43 × 63 = _____

27) 6 - (-4) + (-3) = _____

28) The perimeter of a square with side 3.5 is __

29) 1 + 2 + 3 + ... + 13 + 14 = _____

*30) 293 × 497 = _____

31) $14 \div 2\frac{1}{2}$ = _____

32) If 3x - 8 = 25, then x = _____

33) If four spark plugs cost $7.80, then six plugs cost $ _____

34) $6\frac{2}{3}\times 6\frac{1}{3}$ = _____ (mixed number)

35) The area of a circle with radius 6 is _____

36) 103 × 107 = _____

37) $4\frac{1}{2}\times 18$ = _____

38) The supplement of a 76^{O} angle is _____ ^{O}

39) 9 × 18 + 9 × 32 = _____

*40) 5.9 × 3.4 × 2.6 × 1.5 = _____

2002 - 2003 TMSCA Middle School Number Sense Test # 1

41) If $\frac{7}{13} = \frac{x}{2}$, then x = _____

42) The product of the LCM and the GCF of 7 and 19 is _____

43) $14^2 - 12^2$ = _____

44) 125 × 56 = _____

45) If $f(x) = x^2 - 1$, then f(-4) = _____

46) -7^2 = _____

47) 21 × 19 = _____

48) $\frac{9}{40}$ = _____ (decimal)

49) The number of fractions in lowest terms with denominator 7 is _____

*50) π^6 = _____

51) {t, r, u, c, k} has _____ subsets

52) 26_8 = _____ $_{10}$

53) $2\frac{1}{4}$ hours = _____ minutes

54) The area of a square with diagonal 12 is ____

55) $\sqrt{75}$ simplified is _____

56) $\frac{2}{3} + \frac{3}{2}$ = _____ (mixed number)

57) 33 is 3% of _____

58) The probability of drawing a face card from a standard deck of playing cards is _____

59) The slope of the line passing through (-1, 4) and (1, 5) is _____

*60) $\sqrt{3200}$ = _____

61) If $13_b = 10_{10}$, then b = _____

62) 45° Celsius = _____ $^{\circ}$ Fahrenheit

63) $6^2 + 18^2$ = _____

64) 3367 × 9 = _____

65) $\frac{2}{3}$ = _____ %

66) 17 × 41 = _____

67) 4! = _____

68) (n - 2)(n + 3) = _____

69) One gallon = _____ in^3

*70) 3^8 = _____

71) The surface area of a cube with an inner diagonal of 4 is _____

72) $.\overline{15}$ = _____ (fraction)

73) $\frac{15}{13} \times 15$ = _____ (mixed number)

74) $14_5 + 23_5$ = _____ $_5$

75) $9^{-\frac{1}{2}}$ = _____

76) $\sqrt{(48)(75)}$ = _____

77) $3\frac{1}{3} \times 9\frac{2}{3}$ = _____ (mixed number)

78) The smallest of three consecutive integers whose sum is 54 is _____

79) 2 + 2 = _____

*80) The volume of a cylinder with radius 2 and height 5 is _____