

1994 - 1995 TMSCA Middle School Number Sense Test # 1

- 1) $994 + 995 =$ _____
- 2) $(8 \times 1000) + (3 \times 100) + (0 \times 10) =$ _____
- 3) $20 \times 30 =$ _____
- 4) $373 \div 9$ has a remainder of _____
- 5) $1 + 2 + 3 + 4 + 5 =$ _____
- 6) $25 \times 24 =$ _____
- 7) Round 567 to the nearest hundred. _____
- 8) $821 - 128 =$ _____
- 9) $11 \times 32 =$ _____
- *10) $364 + 437 + 98 =$ _____
- 11) $98 \div 7 =$ _____
- 12) The sum of 48 and 42 is _____
- 13) $45 \times 45 =$ _____
- 14) Which is larger XL or LX? _____
- 15) $10^2 =$ _____
- 16) One pound = _____ ounces
- 17) If $n + 7 = 18$, then $n =$ _____
- 18) One-half of 24 is _____
- 19) $50 \times 14 =$ _____
- *20) $994 \times 995 =$ _____
- 21) $\frac{1}{2} + \frac{1}{2} =$ _____
- 22) $15 \times 24 =$ _____
- 23) 2 feet = _____ inches
- 24) $\frac{1}{4} =$ _____ %
- 25) The smallest prime divisor of 46 is _____
- 26) 50% of 30 is _____
- 27) $24 \times 26 =$ _____
- 28) How many prime numbers are there between 4 and 17? _____
- 29) 7 is what fractional part of 14? _____
- *30) $13 \times 199 + 13 \times 101 =$ _____
- 31) $322 \div 9 =$ _____ (mixed number)
- 32) $\frac{1}{2} =$ _____ (decimal)
- 33) The GCF of 15 and 25 is _____
- 34) $42 \times 101 =$ _____
- 35) How many sides does a pentagon have? _____
- 36) $\frac{7}{8} - \frac{1}{8} =$ _____
- 37) The next term in the sequence 19, 17, 15, 13, 11, ... is _____
- 38) The average of 72, 74 and 73 is _____
- 39) $97 \times 98 =$ _____
- *40) $125 \times 48 =$ _____
- 41) $21_3 =$ _____₁₀
- 42) $2^4 =$ _____
- 43) The area of a square is 36 sq. cm. Its perimeter is _____ cm.

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44) $\sqrt{121} =$ _____

45) If $A = 6$, $B = 3$ and $C = 1$, then $A + B - C =$

46) $.666\dots =$ _____ (fraction)

47) How many positive integral divisors does 24 have? _____

48) $3! =$ _____

49) $17^2 - 7^2 =$ _____

*50) $7421 \div 11 =$ _____

51) The area of a right triangle whose legs measure 6 in. and 8 in., respectively, is _____ sq. in.

52) A straight angle measures _____ degrees

53) $104 \times 107 =$ _____

54) The perimeter of a right triangle whose legs measure 4 cm. and 3 cm., respectively, is _____ cm.

55) $3.5 \times 3.5 =$ _____ (decimal)

56) If n is a positive integer and $\frac{4}{n} = \frac{n}{9}$, then $n =$

57) A set with 3 elements has how many subsets?

58) $5\frac{3}{4} \times 5\frac{1}{4} =$ _____ (mixed number)

59) If $6^2 + x^2 = 10^2$, $x > 0$, then $x =$ _____

*60) $9 \times 10 \times 11 =$ _____

61) The sum of the measures of the angles in a right triangle is _____ degrees

62) $111 \times 13 =$ _____

63) $\frac{5}{40} =$ _____ %

64) The area of a rhombus with diagonals 6 cm. and 8 cm. is _____ sq. cm.

65) The complement of a 50° angle measures _____ degrees

66) $34^2 =$ _____

67) A die is tossed. What is the probability that the top face shows an even number? _____

68) $31311 \div 101 =$ _____

69) $5^4 \div 6$ has a remainder of _____

*70) $(1 + 2 + 3 + 4)^2 =$ _____

71) Divide 54 into 2 parts such that the larger number exceeds the smaller number by 18. Find the smaller number. _____

72) The GCF of 9 and x is 3 and the LCM is 36. $x =$ _____

73) $12345 \times 9 + 6 =$ _____

74) $34_5 + 44_5 =$ _____ ₅

75) The cube root of 512 is _____

76) The smallest palindrome greater than 143 is

77) $3\frac{1}{2}$ is what percent of 20? _____ %

78) If $\sqrt{48} = a\sqrt{b}$, then $a =$ _____

79) Find the digit $B > 0$, such that $[3(B+2)]^2 = 144$. $B =$ _____

*80) $142857 \times 28 =$ _____