(1) 20 \times (1 - 4) + 12 \div 6 =

(2) 3\frac{1}{5}\% =

(3) $20.02 - $70.07 =$

(4) The LCM of 84 and 63 is

(5) 235 \div 9 has a remainder of

(6) \frac{6}{7}\% of 35 =

(7) \frac{3}{2} + 20 \frac{1}{5} =

(8) 25 \times 42 =

(9) 243 \times 25 =

\*(10) 41 \times 411 + 4111 =

(11) The median of 2, 8, 4, 3, 7, 5, and 9 is

(12) 15^2 =

(13) \frac{1}{4} - \frac{1}{8} - \frac{1}{12} =

(14) CXI + XLIV =

(15) 64 is what % more than 48?

(16) 57 \times 57 =

(17) \frac{13}{40} =

(18) 45\% if 45 is

(19) The GCD of 54, 48, and 32 is

\*(20) 8 \times 15 \times 1947 =

(21) 0.0833\ldots + 0.1666\ldots + 0.25 =

(22) 30603 \div 101 =

(23) The number of positive integral divisors of 160 is

(24) 3 + 7 + 10 + 17 + \ldots + 71 + 115 =

(25) 200 base 10 equals base 7

(26) 24\frac{1}{8} \times 8\frac{1}{8} =

(27) If one dozen eggs cost $2.40, then 2.5 dozen eggs cost $

(28) (7^3 + 8^2 - 9^1) \div 6 has a remainder of

(29) If \frac{5}{8} = \frac{x}{5}, then x =

\*(30) 87\% of 789 =

(31) The roots of \(x^3 + kx^2 - 13x + 12 = 0\) are

(32) The cube root of 10648 is

(33) Find the smallest digit \(k\) such that 26480\(k\) is divisible by 6. \(k =

(34) 3 \times 2! + 4 \times 3! + 5 \times 4! =

(35) If 2x - 3y = 8 and x + y = 4, then y =

(36) 96 \times 103 =

(37) The set \(\{T, W, O\}\) has proper subsets

(38) \left(\frac{1}{2}\right)^2 =

(39) Given 9248 \div 34 = 272. Find 9248 \div 8\frac{1}{2}.

\*(40) 33 \times 44 \times 55 =

(41) If \(x + y = 2\) and \(xy = 2\) then \(x^3 + y^3 =

(42) 72 \times 0.0833\ldots =

(43) The smallest integer \(x\) such that \(1 - x < 7\) is

(44) If \(A\) is 20\% more than \(B\) and \(B\) is 10\% less than \(C\), then \(A\) is \%

more than \(C\).
45. A right triangle has integral sides. If one leg is 13 then the other leg is ________________.

46. Find the units digit of $18^6$. ________________

47. One leg of a right triangle is 40 and the hypotenuse is 41. The length of the other leg is ________________.

48. If $x + y = 5$ and $xy = 2$, then $x^3 + y^3 = ________________.

49. $92 \times 97 = ________________.

50. $654 \log 987 = ________________.

51. $(i)^{36} = ________________.

52. $5P_3 = ________________.

53. The legs of a right triangle are 5 and 12. The length of the altitude to the hypotenuse is ________________.

54. $54 + 18 + 6 + 2 + \ldots = ________________.

55. $(3i)^2 + (2i)^6 = ________________.

56. $108 \times 107 = ________________.

57. $55 \div 1.666\ldots = ________________.

58. The integral sides of a triangle are 11, 14, and $x$. The largest value of $x$ is ________________.

59. The probability of winning is 60%. The odds of losing is ________________.

60. $48 \times 49 \times 50 = ________________.

61. $\cos^2(45^\circ) - \sin^2(45^\circ) = ________________.

62. If $h(x) = 4x^2 - 2x - 1$, then $h\left(h\left(\frac{1}{2}\right)\right) = ________________.$

63. Find $x, 0 \leq x \leq 4$, if $2x + 3 \equiv 2 \pmod{5}$. ________________

64. If $\log_4 8 = y$ then $y^2 - 1.25 = ________________.

65. How many minutes will pass from 9:15pm to 2:00am the next day? ________________ minutes

66. $76^2 = ________________.

67. $\det \begin{bmatrix} -1 & -6 \\ 3 & 10 \end{bmatrix} = ________________.

68. $M$ varies inversely with $N^2$ and $M = 3$ when $N = 5$. If $N = 10$ then $M = ________________.

69. How many ways can Romeo and Juliet sit in a row of four chairs? ________________

70. $323502 \div 1238 = ________________.

71. $(909)^2 = ________________.

72. $267419$ divided by 11 has a remainder of ________________.

73. Change $.12$ base 5 to a base 10 decimal. ________________

74. The first four digits of the decimal for $\frac{16}{90}$ is 0. ________________

75. $(x^3 + 2x^2 - x + 1) \div (x + 1)$ has a remainder of ________________.

76. $g(x) = x^4 - 3x^2 + 5x - 7$. $g'(1) = ________________.$

77. Let $f(x) = \sqrt{3 - 4x}$ be a real valued function, where $x \in \{\text{Reals}\}$. The domain of $f(x)$ is $\{x| x \leq ________________\}$

78. The distance between the lines $\sqrt{2}x + \sqrt{7}y = 2$ and $\sqrt{2}x + \sqrt{7}y = 5$ is ________________.

79. The sum of the first 10 terms of the Fibonacci characteristic sequence 2, 5, 7, 12, 19, . . . is ________________.

80. $4444$ feet/second = ________________ miles/hour