(1) 2.01 − 2 1/10 + 21 = ________________ (decimal)
(2) 3 3/5% = ________________ (fraction)
(3) 6 8/9 + 8 = ________________ (mixed number)
(4) 64 × 44 = ________________
(5) 7/80 = ________________% (decimal)
(6) 45 × 85 = ________________
(7) 24% of 25 is ________________
(8) 15 2/3 − 67 8/9 = ________________ (mixed number)
(9) 12 ÷ 13 5/12 = ________________ (decimal)
(10) 2009 × 6 − 2009 = ________________
(11) 987 − 654 × 321 = ________________
(12) 966... × .272727... = ________________
(13) 23 × 34 + 23 × 26 = ________________
(14) MCM + CVIII = ________________ (Arabic Numeral)
(15) 67 + 21 = ________________ (decimal)
(16) If 24² − 20² = 11k, then k = ________________
(17) If x = 3 and y = 7, then x² + 4xy + 4y² = ________________
(18) The LCM of 6, 16, and 24 is ________________
(19) The multiplicative inverse of 7 6/7 is ________________
(20) If 8 pens cost $1.44, then 12 pens cost $ ________________
(21) What number divided by 5 and subtracted from 24 gives the same result? ________________
(22) 12 × 25 = ________________
(23) 15² = ________________
(24) 24% of ________________ is 28% of 12.
(25) 30% of 60 = ________________
(26) 6 + 9 + 15 + 24 + ... + 102 + 165 = ________________
(27) A square has a diagonal of 4√2 cm. The perimeter of the square is ________________ cm.
(28) 24 yards per second = _______ yards per minute
(29) 3 2/3 − 5 4/5 = ________________
(30) 146 × 5 × 154 = ________________
(31) If 8 pens cost $1.44, then 12 pens cost $ ________________
(32) What number divided by 5 and subtracted from 24 gives the same result? ________________
(33) The area of an equilateral triangle is √3 cm². The side of the triangle is ________________ cm
(34) Find k if 59² − 47² = 24k. k = ________________
(35) 16 × 66 − 16 × 50 = ________________
(36) 3 + 6 + 9 + 15 + 24 + ... + 102 + 165 = ________________
(37) If 8 × 8³ ÷ 8k = 8⁷, then k = ________________
(38) 3 + 6 + 9 + 15 + 24 + ... + 102 + 165 = ________________
(39) The square root of 172839 = ________________
(40) √172839 = ________________
(41) If 2x² = 121, then 3²x = ________________
(42) If xy = 2 and x + y = 4, then x³ + y³ = ________________
(43) If 2 is the midpoint of the line segment with endpoints (−4, 7) and (8, y), then y = ________________
(44) If 8 × 8³ ÷ 8k = 8⁷, then k = ________________
(45) If \(3x - 5 < 6x - 11\), then \(x > \) ____________

(46) The first 3 digits of the decimal of \(\frac{23}{90}\) is 0. _____

(47) The axis of symmetry for the parabola \(y = x^2 - 3x + 4\) is \(x = \) ________________

(48) If \(x < 0\) and \(|2x - 5| = 9\) then \(x = \) ____________

(49) \(\frac{1}{4}(64^2 - 36^2) = \) __________________________

*(50) \(24^3 \times 21^2 ÷ 4^4 = \) __________________________

(51) For what value of \(k\) does the sum of the roots of \(3x^2 + kx - 7 = 0\) equal \(\frac{4}{3}\)? ____________

(52) A regular octagon has ________distinct diagonals.

(53) The odds of rolling a composite number on a single die is ______________________ (proper fraction)

(54) The 10th term of 4, 7, 10, 13, ... is ____________

(55) The sum of the roots \((2x + 5)^2 - 1 = 0\) is _____

(56) If \(\log_5 6 + \log_5 4 = \log_5 x\), then \(x = \) ____________

(57) The odds of winning are 3 to 8. The probability of not winning is ____________ (proper fraction)

(58) The slope of the line perpendicular to the line \(4x + 5y = -6\) is ________________

(59) For what value of \(k\) does the sum of the roots of \(x^2 + kx + 12 = 0\) have a value of 6? ____________

*(60) The area of \(11x^2 + 36y^2 = 396\) ________________

(61) If \(f(x) = 5 - 2x\), then \(f^{-1}(3) = \) ____________

(62) \(7^6 ÷ 5\) has a remainder of ________________

(63) \(909 \times 909 = \) __________________________

(64) \(\sin(30^\circ) + \cos(60^\circ) = \) __________________________

(65) \(0.232323\ldots = \) ____________ \((\text{proper fraction})\)

(66) The greatest integer function \(g(x) = [2x - 3]\) has a value of ________________ for \(g(\pi)\)

(67) \(68\) is 4.25% of ________________

(68) The distance between the line \(3x + 4y = 1\) and the point \((-2, 2)\) is ____________

*(69) If \(\log_3 x = -3\) then \(x^{-1} = \) ____________

*(70) \(72827 ÷ 266 = \) __________________________

(71) \(\int_{2}^{4} \left(\frac{x}{2} - 4\right) \, dx = \) __________________________

(72) The remainder when \(x^3 - 4x + 3\) is divided by \(x + 2\) is ____________

(73) \(\frac{1}{35} + \frac{1}{63} + \frac{1}{99} = \) __________________________

(74) \(1 + 3 + 6 + 10 + \ldots + 28 = \) __________________________

(75) \(\int_{0}^{3} (3x + 2) \, dx = \) __________________________

(76) The vertex of the parabola \(3(y - 4) = (x + 2)^2\) is \((h, k)\) and \(h = \) ________________

(77) \(1^3 + 2^3 + 3^3 + 4^3 + 5^3 + 6^3 = \) __________________________

(78) The horizontal asymptote of \(y = \frac{(2x - 1)}{(3x + 2)(2x + 6)}\) is \(y = \) ________________

(79) How many lines are determined by four points, no three of which are collinear? ________________

*(80) \(456 ÷ 18.75\% \times \frac{1}{4} = \) __________________________