(1) 2468 ÷ 9 has a remainder of ________________
(2) \(3 \frac{1}{2} \times 5 \frac{6}{7} = \) ________________ (improper fraction)
(3) 36 + 72 + 24 + 58 = ________________
(4) 2008 + 2009 = ________________
(5) 34^2 = ________________
(6) 743 - 347 = ________________
(7) \(\frac{4}{7} - \frac{7}{8} = \) ________________ (proper fraction)
(8) 25 \times 20 - 15 + 10 ÷ 5 = ________________
(9) 2014 \times 4 + 6 = ________________
* (10) 374 - 1056 + 1916 = ________________
(11) 16% of 20 = ________________
(12) 32 - 16 ÷ 8 + 4 \times 2 = ________________
(13) 44 \times 36 = ________________
(14) 9 is what % of 180? ________________ %
(15) 14443 \times 21 = ________________
(16) 15 \times 38 = ________________
(17) (34 + 65 + 96) ÷ 3 has a remainder of ________________
(18) The product of the first 4 prime numbers is ________________
(19) \(\frac{7}{9} \times \frac{1}{4} = \) ________________
* (20) 85858 ÷ 585 = ________________
(21) 3212015 ÷ 11 has a remainder of ________________
(22) 2006 = ________________ 10
(23) If 6 oz. of candy costs $0.96, then one pound of candy costs ________________
(24) \{s, l, o, p, e\} \cap \{l, i, n, e\} has ________________ distinct elements
(25) 1315 = ________________
(26) If \(A = 1, B = -A, \) and \(C = A - B, \) then \(ABC = \) ________________
(27) If \(\frac{3}{4} = \frac{3x}{5}, \) then \(x = \) ________________
(28) \(4^5 ÷ 11\) has a remainder of ________________
(29) \(6 \frac{2}{3} \times 3 \frac{1}{3} = \) ________________ (mixed number)
* (30) 97531 ÷ 209 = ________________
(31) 111 \times 345 = ________________
(32) The smallest root of \(2x^2 + 13x + 20 = 0\) is ________________
(33) 5! ÷ 4! + 3! ÷ 2! - 1! = ________________
(34) If universal set \(U = \{2, 3, 5, 7, 9, 11, 13, 17, 19\}\) and set \(A = \{3, 7, 13, 17\}\), then \(A'\) contains how many distinct elements? ________________
(35) The sum of the positive integral divisors of 108 is ________________
(36) 21 \times 23 = ________________ (mixed number)
(37) 12\% of 200 is ________________ % of 50
(38) \(\frac{5}{11} - \frac{11}{21} = \) ________________
(39) 63^2 + 24^2 = ________________
* (40) \(\sqrt[3]{7152023} = \) ________________
(41) \(\frac{1}{4}(64^2 - 36^2) = \) ________________
(42) 13 \times 15 + 1 = ________________
(43) The sum of the roots of \(f(x) = (2x - 5)^3(x - 5) = \) ________________
(44) Find \(k\) if the product of the roots of \(x^2 + 2x + k = 0\) is 8. \(k = \) ________________
(45) The positive geometric mean of 4 and 36 is ________________
(46) If \(4^{x+2} = 48\), then \(4^x = \) ________________

(47) If \(x + y = \frac{1}{3}\) and \(xy = 3\), then \(x^3 + y^3 = \) __________

(48) If \(14x + 5 = 23\), then \(14x - 5 = \) ______________

(49) \(45 \pi - 26 \pi = \) ____________________ \(7\)

*(50) \(\sqrt{1062017} = \) ____________________

(51) If \(\log_2 36 = 2\), then \(x = \) ____________________

(52) \(57 \times 57 = \) ____________________

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

(54) \(12^2 \div 6^2 \times 3^2 = \) ____________________

(55) Let \(|2 + 3x| \leq 4\). The greatest value of \(x\) is __________

(56) If \(A\) is 20 more than \(B\) and \(C\) is 10 less than \(A\), then \(C\) is how much more than \(B\)? ____________________

(57) If \(\frac{15 + 30i}{-5i} = a + bi\), then \(a + b = \) ________________

(58) If \(\log_x 2744 = 3\), then \(x = \) ____________________

(59) If \(852k\) is divisible by 6 then the largest units digit value for \(k\) is ____________________

*(60) \(8^3 \div 4^6 \times 2^{10} = \) ____________________

(61) \(630^\circ\) equals \(k\pi\) radians. Find \(k\). ____________________

(62) \(\left[ 2 \sin \left( \frac{\pi}{6} \right) \cos \left( \frac{\pi}{6} \right) \right] \times \left[ \tan \left( \frac{\pi}{6} \right) \right] = \) ________________

(63) The simplified sum of the coefficients of the expansion of \((4x + 3y)^3 = \) ________________

(64) 3.25% of 24 is ____________________

(65) How many ways can 3 people be seated in a row of 5 chairs? ____________________

(66) The number of distinct diagonals of a 5 sided regular polygon is ____________________

(67) If \(f(x) = x^2 + 3x - 1\), then \(f^{-1}(4) = \) __________

(68) The shortest distance between \((0, -2)\) and \(5x + 12y = 11\) is ____________________

(69) \(2223 \times 23 = \) ____________________

*(70) \(142857 \times 21 = \) ____________________

(71) The 1st triangular number times the 2nd hexagonal number times the 3rd pentagonal number is ____________________

(72) If \(\ln(50) = \ln(2) + k \ln(5)\), then \(k = \) __________

(73) \(6^8 \div 8\) has a remainder of ____________________

(74) If \(N \div 8\) has a remainder of 5, then \(3N \div 8\) has a remainder of ____________________

(75) \(|3x - 1| = 17\). Find \(x\) if \(x < 0\). ____________________

(76) The set \(\{a, b, c\}\) has ________ 2-element subsets

(77) The remainder, in base 8, when 153 base 8 is divided by 7 is ________________

(78) \(\int_0^2 x^2 \ dx = \) ____________________

(79) \(1 + 2^2 + 3^3 + 4^4 = \) ____________________

*(80) \(\sqrt{1234567} = \) ____________________