(1) 445 ÷ 9 = ________________ (mixed number)

(2) 735625 ÷ 11 has a remainder of ____________

(3) 2015 ÷ 4 = ________________ (decimal)

(4) 31^2 = ________________

(5) \( \frac{2}{3} \div \frac{4}{5} = \) ________________

(6) 2007 + 2008 = ________________

(7) 227 × 11 = ________________

(8) 1.45% = ________________ (decimal)

(9) 33^2 = ________________

*(10) 2009 × 6 − 2009 = ________________

(11) 65^2 = ________________

(12) (34 + 65 + 96) ÷ 3 has a remainder of ______

(13) 12 is what % of 20? ________________

(14) Which is smaller: \( \frac{4}{7} \) or \( \frac{5}{9} \)? ________________

(15) MMIX × XXV = ________________ (Arabic Numeral)

(16) The multiplicative inverse of 3^{-2} is ________________

(17) The number of positive prime integers that divide 76 is ________________

(18) 2ft. × 3ft. × 4ft. = ________________ cubic yards

(19) (58 + 79 + 66) ÷ 4 has a remainder of ______

*(20) 238 × 261 = ________________

(21) Set A has 4 elements, set B has 7 elements, and \( A \cap B \) has 3 elements, then \( A \cup B \) has ___ elements

(22) A quart is what % of a cup? ____________ %

(23) 2 quarts is what percent of a pint? ________%

(24) The perimeter of a regular octagon is 44 cm. The side length of the octagon is ____________ cm.

(25) A right triangle has integer side lengths of 7, \( x \), and 25 units. Its area is ____________ sq. units

(26) 50 has ____________ integral divisors

(27) What number times five gives the same result as that number added to four? ________________

(28) 232 × 18 = ________________

(29) If the area of a square is 72 sq. in., then the length of its diagonal is ________________ in.

*(30) 13 × 15 × 17 = ________________

(31) The cube root of 148877 is ________________

(32) 112 × 211 = ________________

(33) 11.090909... + 33.272727... = ________________

(34) 5^4 ÷ 11 has a remainder of ________________

(35) Given 32120 ÷ 15 = 21411 3, find 32120 ÷ 5. _____

(36) 1011101₂ = ________________ (Binary Numeral)

(37) The product of the positive divisors of 6 is ________________

(38) |12 − 9|6 − 3| = ________________

(39) The next term in the geometric sequence, \( \ldots, \frac{2}{5}, \frac{1}{4}, \frac{5}{32}, \ldots \) is ________________

*(40) 24 × 34 × 44 = ________________

(41) The complimentary angle of 73° is ________°

(42) \( \frac{7}{20} - \frac{22}{59} = \) ________________

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

(44) 97 × 104 = ________________
(45) The next term of 1, 4, 13, 40, 121,... is
(46) $91 \times 98 = \quad$ 
(47) $54 \times 11 + 99 \times 6 = \quad$ 
(48) If $A^3 \div A^k \times A^{-5} = A^6$ and $A > 1$, then $k =$ 
(49) $312 \times 213 = \quad$ 
*(50) $45678 \div 143 = \quad$ 
(51) $5C_3 - 4P_2 = \quad$ 
(52) 225 degrees = $\frac{\pi}{k}$ radians. Find $k$. ________
(53) The smaller root of $5x^2 - 7x - 6 = 0$ is 
(54) $(a + 2i)^2 = 21 + 20i$ then $a =$ __________
(55) If $\sqrt{12 - \sqrt{9 + \sqrt{6 - x}}} = 3$, then $x =$ 
(56) The simplified coefficient of the $x^2y$ term in the expansion of $(x - 3y)^3$ is __________
(57) $8! \div 6! = \quad$ 
(58) $(4 + 7i)(3 - 5i) = a + bi$. Find $a - b$. ________
(59) The expansion of $(2x - y)^5$ has ________ terms
*(60) $1684 \times 32 \times .25 = \quad$ 
(61) If $f(x) = 4x - 5$, then $f[f^{-1}(3)] =$ ________
(62) $\frac{2}{9} - \frac{13}{64} =$ __________
(63) $\cos^2 30^\circ + \sin^2 30^\circ =$ __________
(64) $987 \times 9 + 5 =$ ________________
(65) Find $x$, $3 \leq x \leq 7$, if $2x - 3 \equiv 5$(mod 8). ________
(66) $22^2 - 23^2 + 24^2 - 25^2 =$ ________________
(67) $\log_3 [\log_4 (\log_5 625)] =$ ________________
(68) The next term of 3, 9, 19, 33,... is ________
(69) A golf store has white, yellow, pink, and orange balls. How many difference packs of 3 balls can the store package? ________________
*(70) $571428 \times 35 =$ ________________
(71) $\int_1^4 2x \, dx =$ ________________
(72) $\sin^{-1}(-0.5) =$ ________________ degrees
(73) $3^7 \div 4$ has a remainder of __________
(74) $\int_1^2 (2x - 1) \, dx =$ ________________
(75) $\sqrt{97969} =$ ________________
(76) $\lim_{x \to 2} \left( \frac{x^2 - 3x + 2}{x - 2} \right) =$ ________________
(77) If $\det \begin{bmatrix} 4 & 2 \\ 3x & -5x \end{bmatrix} = 1$, then $x =$ ________________
(78) $\frac{1}{3} + \frac{1}{6} + \frac{1}{10} =$ ________________
(79) The next term of 5, 6, 7, 9, 12, 17,... is ________
*(80) $142857 \times 23.8 =$ ________________