1. \(1234 \div 5 = \) ________________ (decimal) 
2. \(\frac{4}{5} + \frac{6}{7} = \) ________________ (mixed number) 
3. \(34^2 = \) ________________ 
4. \(23^2 = \) ________________ 
5. \(\frac{3}{4} + \frac{5}{6} = \) ________________ (mixed number) 
6. \(15.15 \times 4 = \) ________________ 
7. \(75 \times .84 = \) ________________ 
8. \(1212 + 2121 = \) ________________ 
9. \(13 \times 18 = \) ________________ 

10. \(64 - 255 + 3077 - 1208 = \) ________________ 
11. Which is larger, \(\frac{8}{9}\) or \(\frac{22}{25}\)? ________________ 
12. \(20 \div 4 - 2 \times 3 + 6 = \) ________________ 
13. CCVI \times V = \) ________________ (Arabic Numeral) 
14. \(\frac{5}{7} + \frac{7}{5} = \) ________________ (mixed number) 
15. The mean of 17, 22, and 36 is ________________ 
16. DLV + MCDLV = ________________ (Arabic Numeral) 
17. 3 miles = ________________ yards 
18. \(31 + 25 + 19 + 29 + 23 + 17 = \) ________________ 
19. \(\frac{5}{7} + \frac{7}{5} = \) ________________ (mixed number) 

20. \(457689 \div 111 = \) ________________ 
21. \(\frac{7}{3} + \frac{7}{3} = \) ________________ 
22. \(\frac{5}{4} \div 4 = \) ________________ 
23. 3.5 pints = ________________ quarts 
24. 130 base ten is equivalent to ________________ base 5 

25. 2.5 centimeters = ________________ (meters) 
26. \(24^2 - 6^2 = \) ________________ 
27. \(63^2 - 47^2 = \) ________________ 
28. If \(x - y = 6\) and \(x + y = -6\), then \(xy = \) ________________ 
29. The number of positive integral divisors of 48 is ___ 
30. \(44832 \div 249 = \) ________________ 
31. Set \(A = \{m, e, n, t, a, l\}\) and set \(B = \{m, a, t, h\}\). \(A \cap B\) contains how many elements? ________________ 
32. \(96 \times 93 = \) ________________ 
33. \(\frac{1}{3} \times \frac{6}{5} = \) ________________ (mixed number) 
34. If \(f(x) = x^4 - 6x^2 + 9\), then \(f(5) = \) ________________ 
35. \(24^2 + 8^2 = \) ________________ 
36. If \(x = 6\) and \(y = 9\) then \(x^2 + 2xy + y^2 = \) ________________ 
37. \(13 \times 13 \times 13 = \) ________________ 
38. The smallest root of \(2x^2 + 13x + 20 = 0\) is ________________ 
39. If the area of a square is three time its perimeter, then one side equals ________________ 
40. \(\sqrt{30976} = \) ________________ 
41. \(3^2 = 9.17, \) then \(3^{x+1} = \) ________________ 
42. \(1 + 3 + 5 + 7 + \ldots + 33 = \) ________________ 
43. The product of the roots \((x + 5)^2 - 3 = 0\) is ________________ 
44. \(18\% \) of \(466\frac{2}{3} = \) ________________ 
45. If \(4^{2x} = 25, \) then \(4^{3x} = \) ________________ 
46. If \(8^x = 40\) then \(8^{(x+1)} = \) ________________ 
47. If \(7^2 + b^2 = 25^2, \) then \(|b| = \) ________________ 
48. \(12 + 9 + \frac{3}{4} + \frac{5}{16} + \ldots = \) ________________
(49) If \(8^{(x+1)} = 24\), then \(8^{(x+2)} = \) ________________

*(50) \(15^3 \times 5^3 = \) ________________

(51) \(15^2 - 14^2 + 13^2 - 12^2 = \) ________________

(52) \(\binom{6}{4} \div \binom{6}{2} = \) ________________

(53) If \(3^y = 1.2\) then \(9^x = \) ________________

(54) \(\sin\left(\frac{\pi}{3}\right) \div \cos\left(\frac{5\pi}{6}\right) = \) ________________

(55) \(18^2 - 17^2 + 16^2 - 15^2 = \) ________________

(56) \(43^2 + 26^2 = \) ________________

(57) The area of an isosceles right triangle with a hypotenuse length of \(12\sqrt{2}\) cm is _______ cm\(^2\)

(58) \(\ln e^{10} \div \log 10^5 = \) ________________

(59) How many ordered pairs are in the Cartesian product of \(\{1, 2, 3\}\) and \(\{4, 5\}\)? ________________

*(60) \(4^2 \times 18^3 \div 24^2 = \) ________________

(61) \(.7 \sin^2 30^\circ + .7 \cos^2 30^\circ = \) ________________

(62) If \((5 - 2)! \equiv x \pmod{5}\), where \(0 \leq x \leq 5\), then \(x = \) ________________

(63) \(402^2 = \) ________________

(64) The greatest integer less than \(12\sqrt{2}\) is _______

(65) The volume of a right cylinder that is 9 in. high with a base radius 2 in. is _______ \(\pi\) cu. in.

(66) How much time has passed from 11:35 am to 2:25 pm the same day? ________________ minutes

(67) The slope of the line \(3x - 2y = 5\) is ______

(68) If \(f(x) = 3x - \log_2 x\), find \(f(4)\) ______

(69) \(2 [\cos(30^\circ) \cos(30^\circ)] - 1 = \) ________________

*(70) \(5.1^3 \times 7.9^3 = \) ________________

(71) \(\lim_{x \to 0} \frac{e^x - 1}{x} = \) ________________

(72) The sum of the first nine terms of the Fibonacci sequence 1, 5, 6, 11, 17, \ldots is ________________

(73) 267419 divided by 11 has a remainder of ______

(74) The 4-th pentagonal number is ________________

(75) Find \(k, 1 \leq k \leq 5\), if \(2k + 3 \equiv 2 \pmod{9}\). ______

(76) \(11 \times \frac{11}{14} + 3 = \) ________________ (mixed number)

(77) The minimum value of \(f(x) = (x + 2)^2 + 2\) is __

(78) \(1^3 + 2^3 + 3^3 + \ldots + 8^3 = \) ________________

(79) The minimum value of \(\sin(3x) - 5\) is ______

*(80) \(639 \div 44 \times \frac{4}{9} \times .125 = \) ________________