

exp.8.m

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1 disp("Name:Abrohneel Roy");
2 disp("Roll No.:727822TUCY003");
3 disp("Experiment Name:Compute Least common multiple and Greatest common divisor of two integers");
4 disp(" ")
5 disp("Question 1")
6 disp(" ")
7 L=lcm(15,48)
8 disp(" ")
9 disp(" ")
10 disp("Question 2")
11 disp(" ")
12 L=lcm(24,48,98)
13 disp(" ")
14 disp(" ")
15 disp("Question 3")
16 disp(" ")
17 L=lcm(401,705,102,814)
18 disp(" ")
19 disp(" ")
20 disp("Question 4")
21 disp(" ")
22 L=lcm(6,96,36)
23 M=gcd(10,10,100)
24 N=L/M
25 disp(" ")
26 disp(" ")
27 disp("Question 5")
28 disp(" ")
29 L=lcm(48,72,108)
30 M=gcd(100,100,1000)
31 N=L/M
32 disp(" ")
33 disp(" ")
34 disp("Question 6")
35 disp(" ")
36 L=lcm(5,16,2)
37 M=gcd(8,15,3)
38 N=L/M
39 disp(" ")
40 disp(" ")
41 disp("Question 7")
42 disp(" ")
43 G=gcd(625,1000)
44 disp(" ")
45 disp(" ")
46 disp("Question 8")
47 disp(" ")
48 G=gcd(12345,54321)
49 disp(" ")
50 disp(" ")
51 disp("Question 9")
52 disp(" ")
53 G=gcd(1819,3587)
54 disp(" ")
55 disp(" ")
56 disp("Question 10")
57 disp(" ")
58 G=gcd(396,504,636)
59 disp(" ")
60 disp(" ")
61 disp("Question 11")
62 disp(" ")
63 G=gcd(48,72,108)
64 L=lcm(100,100,1000)
65 GCD_Decimal=G/L
66 GCD_Fractional=rat(GCD_Decimal)
67 disp(" ")
68 disp(" ")
69 disp("Question 12")
70 disp(" ")
71 G=gcd(3,7,11,12,33)
72 L=lcm(4,3,2,3,4)
73 GCD_Decimal=G/L
74 GCD_Fraction=rat(GCD_Decimal)
75 disp(" ")

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