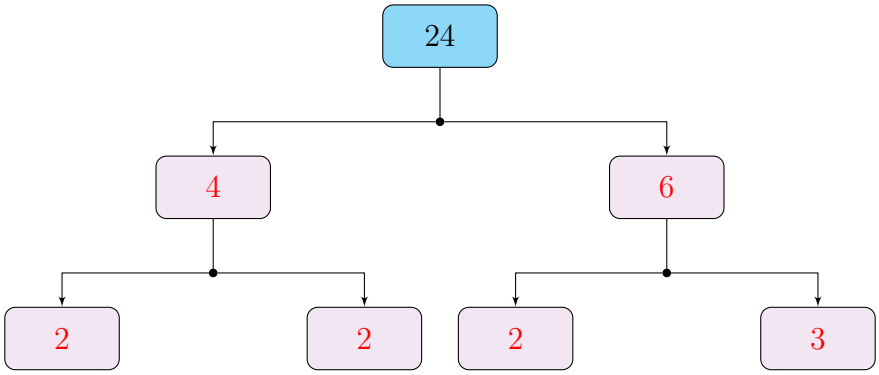
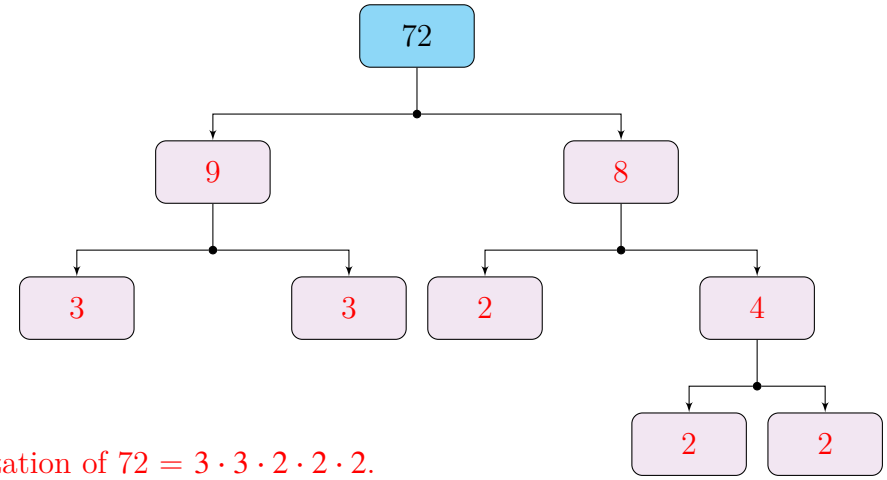
Name: _____
Date: _____ Score: _____ / _____

Problem 1: Find all the prime numbers (factors) for number 24.



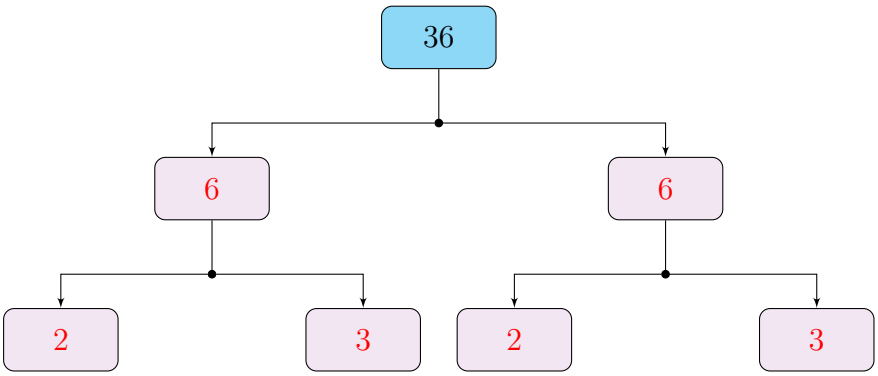
The prime factors of 24 are $2 \times 2 \times 2 \times 3$.

Problem 2: Find all the prime numbers (factors) for number 72.



The prime factorization of $72 = 3 \cdot 3 \cdot 2 \cdot 2 \cdot 2$.

Problem 3: Find all the prime numbers (factors) for number 36.



The prime factorization of 36 is $2 \times 2 \times 3 \times 3$.

Problem 4: Split numbers into prime factors.

a)

90	2
45	3
15	3
5	5
1	

b)

168	2
84	2
42	2
21	3
7	7
1	

c)

156	2
78	2
39	3
13	13
1	

d)

95	5
19	19
1	

e)

99	3
33	3
11	11
1	

f)

110	2
55	5
11	11
1	

g)

88	2
44	2
22	2
11	11
1	

h)

120	2
60	2
30	2
15	3
5	5
1	

i)

102	2
51	3
17	17
1	

j)

162	2
81	3
27	3
9	3
3	3
1	

k)

114	2
57	3
19	19
1	

l)

100	2
50	2
25	5
5	5
1	