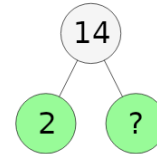


**Determine prime factorizations****1**
49

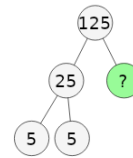
A {7, 7, 7}	B {7, 7}
C {7, 7, 11}	D {5, 7, 7}
E {3, 7, 7}	F {2, 7, 7}

2
Complete the factor tree to find the prime factorization of this number

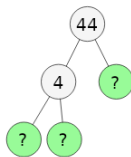
A 2×7	B $2 \times 2 \times 7$	C $2 \times 5 \times 7$
D $2 \times 7 \times 13$	E $2 \times 7 \times 7$	F $2 \times 7 \times 11$

3
42

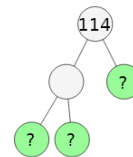
A {2, 3, 5, 7}	B {2, 3, 3, 7}
C {2, 3, 7, 7}	D {2, 3, 7, 13}
E {2, 3, 7, 11}	F {2, 3, 7}

4
Every pair's product is the number above it. What is the missing factor?

A 8	B 2	C 5
D 3	E 1	F 4

5
Complete the factor tree to find the prime factorization of this number

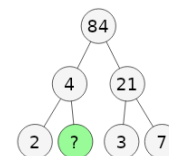
A $2 \times 2 \times 11$	B $2 \times 2 \times 3 \times 11$	C $2 \times 2 \times 11 \times 11$
D $2 \times 2 \times 7 \times 11$	E $2 \times 2 \times 11 \times 13$	F $2 \times 2 \times 2 \times 11$

6
Finish the factor tree to find the prime factorization of this number

A $2 \times 2 \times 3 \times 19$	B $2 \times 3 \times 5 \times 19$	C $2 \times 3 \times 7 \times 19$
D $2 \times 3 \times 19$	E $2 \times 3 \times 11 \times 19$	F $2 \times 3 \times 13 \times 19$

7
36

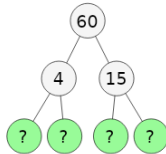
A {2, 6, 3}	B {2, 2, 3, 3}
C {2, 2, 2, 3, 3}	D {2, 2, 3, 3, 13}
E {2, 2, 3, 3, 11}	F {2, 2, 3}

8
Every pair's product is the number above it. What is the missing factor?

A 7	B 2	C 11
D 5	E 4	F 9

**Determine prime factorizations****9**

Complete the factor tree to find the prime factorization of this number



A $2 \times 2 \times 3 \times 5$

B $2 \times 2 \times 3 \times 3 \times 5$

C $2 \times 2 \times 5$

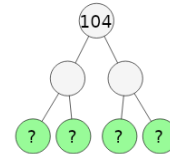
D $2 \times 2 \times 15$

E $2 \times 3 \times 5$

F $2 \times 2 \times 3$

10

Finish the factor tree to find the prime factorization of this number



A $2 \times 2 \times 26$

B $2 \times 2 \times 2 \times 2 \times 13$

C $2 \times 2 \times 2$

D $2 \times 2 \times 2 \times 7 \times 13$

E $2 \times 2 \times 13$

F $2 \times 2 \times 2 \times 13$

11

80

A $2^5 \cdot 5$

B $2^2 \cdot 4 \cdot 5$

C $2^4 \cdot 5 \cdot 13$

D $2^4 \cdot 5$

12

40

A $2 \cdot 4 \cdot 5$

B $2^3 \cdot 5$

C $2^4 \cdot 5$

D $2^3 \cdot 5 \cdot 11$

13

30

A $2^2 \cdot 3 \cdot 5$

B $2 \cdot 3 \cdot 5 \cdot 7$

C $2 \cdot 3 \cdot 5$

D $2 \cdot 3 \cdot 5 \cdot 13$