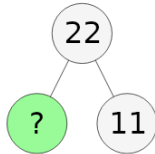




Write prime factorizations

1

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



A 10

B 11

C 1

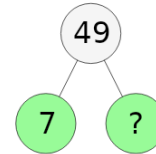
D 5

E 8

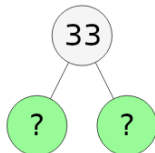
F 2

2

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

A $5 \times 7 \times 7$ B $3 \times 7 \times 7$ C $7 \times 7 \times 7$ D $7 \times 7 \times 11$ E $2 \times 7 \times 7$ F 7×7 **3**

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

A 3×11 B $3 \times 11 \times 13$ C $3 \times 5 \times 11$ D $3 \times 3 \times 11$ E $3 \times 7 \times 11$ F $2 \times 3 \times 11$ **4**

77

A {3, 7, 11}

B {7, 11, 13}

C {7, 11, 11}

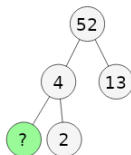
D {2, 7, 11}

E {7, 11}

F {5, 7, 11}

5

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



A 5

B 11

C 2

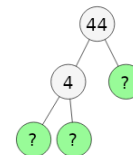
D 6

E 1

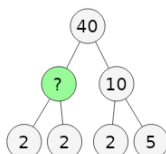
F 10

6

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

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

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



A 6

B 10

C 3

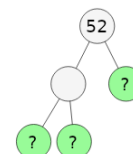
D 9

E 4

F 11

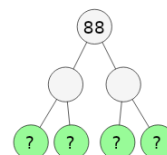
8

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

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

**Write prime factorizations****9**
72

A $2^2 \cdot 3^2$	B $2^4 \cdot 3^2$
C $2^3 \cdot 3^2$	D $2 \cdot 4 \cdot 3^2$

10
Finish the factor tree to find the prime factorization of this number

A $2 \times 2 \times 2 \times 11$	B $2 \times 4 \times 11$	C $2 \times 2 \times 2 \times 7 \times 11$
D $2 \times 2 \times 2 \times 11 \times 11$	E $2 \times 2 \times 2 \times 5 \times 11$	F $2 \times 2 \times 11$

11
36

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

12
18

A $2 \cdot 3^2 \cdot 5$	B $2 \cdot 3^2$
C $2^2 \cdot 3^2$	D $2 \cdot 3^2 \cdot 7$

13
44

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

14
84

A $2^2 \cdot 3 \cdot 7 \cdot 13$
B $2^2 \cdot 3 \cdot 5 \cdot 7$
C $2^2 \cdot 21$
D $2^2 \cdot 3 \cdot 7$