

Write the prime factorization of the given number.

1) 98

2) 35

3) 15

4) 51

5) 50

6) 34

7) 69

8) 92

9) 57

Write the prime factorization of the given number.

1) 98

Answer:
 $2 * 7 * 7$

2) 35

Answer: $5 * 7$

3) 15

Answer: $3 * 5$

4) 51

Answer: $3 * 17$

5) 50

Answer:
 $2 * 5 * 5$

6) 34

Answer: $2 * 17$

7) 69

Answer: $3 * 23$

8) 92

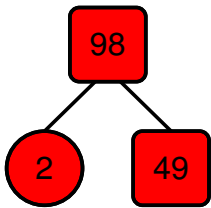
Answer:
 $2 * 2 * 23$

9) 57

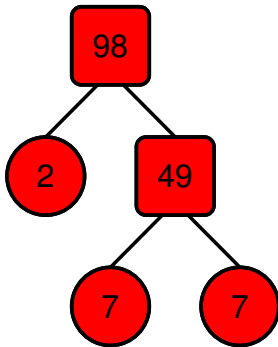
Answer: $3 * 19$

Solution Steps

1) 98



$$98 = 2 * 49$$

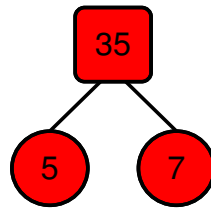


$$49 = 7 * 7$$

The prime factorization of
98 can be written as:

$$2^1 * 7^2$$

2) 35

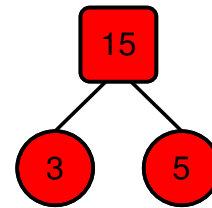


$$35 = 5 * 7$$

The prime factorization of
35 can be written as:

$$5^1 * 7^1$$

3) 15

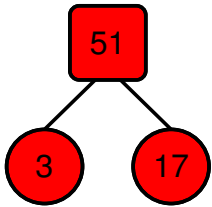


$$15 = 3 * 5$$

The prime factorization of
15 can be written as:

$$3^1 * 5^1$$

4) 51

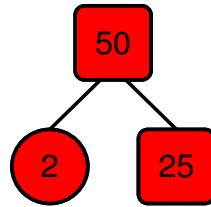


$$51 = 3 * 17$$

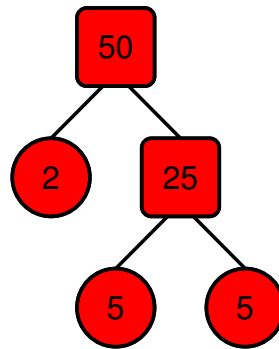
The prime factorization of 51 can be written as:

$$3^1 * (17)^1$$

5) 50



$$50 = 2 * 25$$

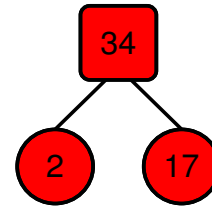


$$25 = 5 * 5$$

The prime factorization of 50 can be written as:

$$2^1 * 5^2$$

6) 34

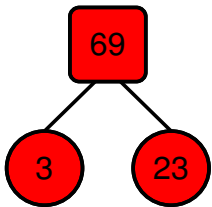


$$34 = 2 * 17$$

The prime factorization of 34 can be written as:

$$2^1 * (17)^1$$

7) 69

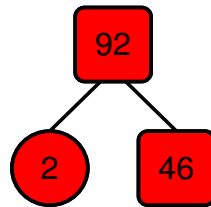


$$69 = 3 * 23$$

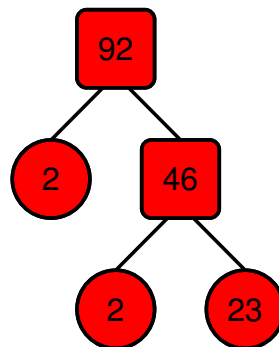
The prime factorization of 69 can be written as:

$$3^1 * (23)^1$$

8) 92



$$92 = 2 * 46$$

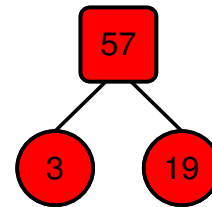


$$46 = 2 * 23$$

The prime factorization of 92 can be written as:

$$2^2 * (23)^1$$

9) 57



$$57 = 3 * 19$$

The prime factorization of 57 can be written as:

$$3^1 * (19)^1$$