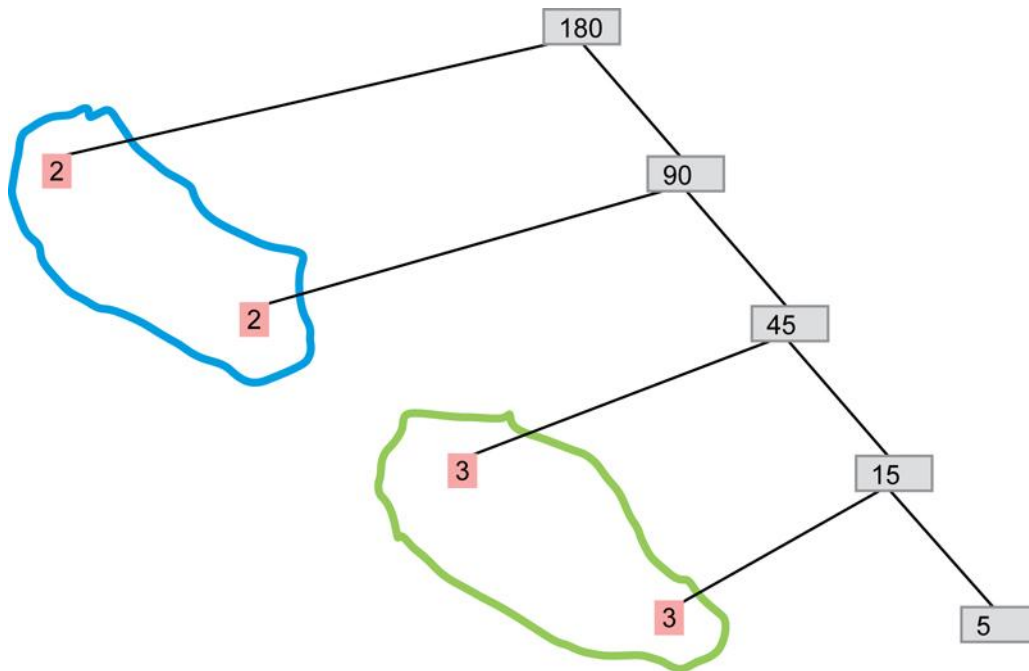


Are You Ready? Possible Solutions

- 2, 3, 5, 7, 11, 13, 17, 19
- $180 = 2 \times 2 \times 3 \times 3 \times 5$



So, the prime factorization of $180 = 2 \times 2 \times 3 \times 3 \times 5$.

This contains two perfect squares ($2 \times 2 = 4$ and $3 \times 3 = 9$).

- $324 = 2 \times 2 \times 3 \times 3 \times 3 \times 3$
 $324 = (2 \times 3 \times 3) \times (2 \times 3 \times 3)$
 Therefore, $\sqrt{324} = 2 \times 3 \times 3$ or 18.

- $1000 = 2 \times 2 \times 2 \times 5 \times 5 \times 5$
 $1000 = (2 \times 5) \times (2 \times 5) \times (2 \times 5)$

Therefore, $\sqrt[3]{1000} = 2 \times 5$ or 10.

5.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	4	9	16	25	36	49	64	81	100	121	144	169	196	225