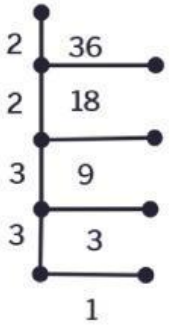
Codingal

Express the numbers in Exponential Notation

- *Any number can be expressed in the exponential form, by using the **prime factorization method**.*
- *Prime factorization helps to express any given number as **product of primes***

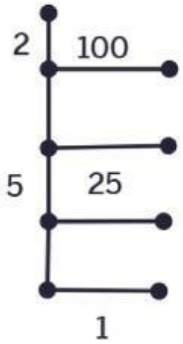
1. Express 36 using the exponential notation



36 = 2 x 2 x 3 x 3

36= 2^2 x 3^2 → *Exponential notation*

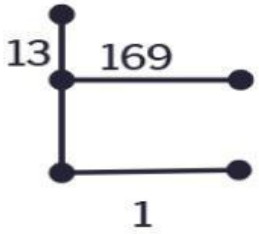
2. Express 100 using the exponential notation



100 = 2 x x x 5

100 = ■^{2} x ■^{2} → *Exponential notation*

3. Express 169 using the exponential notation



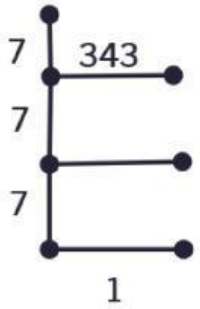
169 = x 13

169 = ■^{2} → *Exponential notation*

LIVEWORKSHEETS

Codingal

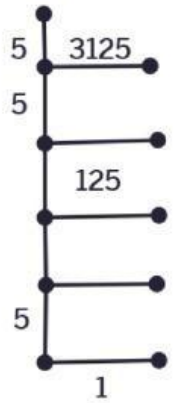
4. Express **343** using the exponential notation



343 = ____ x ____ x 7

343 = $\square^{3}$ → *Exponential notation*

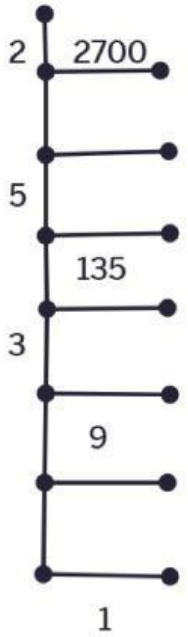
5. Express **3125** using the exponential notation



3125 = ____ x ____ x 5 x ____ x 5

3125 = $\square^{5}$ → *Exponential notation*

6. Express **2700** using the exponential notation



2700 = ____ x ____ x 5 x ____ x 3 x ____ x 3

2700 = $\square^{2}$ x $\square^{3}$ x $\square^{2}$ → *Exponential notation*

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