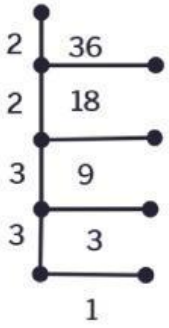
Codingal

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***

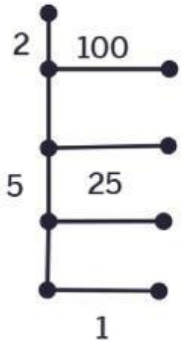
1. Express 36 using the exponential notation



$36 = 2 \times 2 \times 3 \times 3$

$36 = 2^2 \times 3^2$ → *Exponential notation*

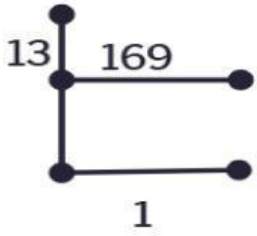
2. Express 100 using the exponential notation



$100 = 2 \times \quad \times \quad \times 5$

$100 = \square^2 \times \square^2$ → *Exponential notation*

3. Express 169 using the exponential notation



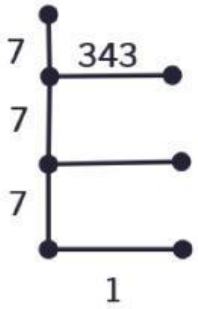
$169 = \quad \times 13$

$169 = \square^2$ → *Exponential notation*

LIVEWORKSHEETS

Codingal

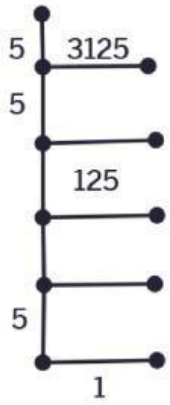
4. Express 343 using the exponential notation



343 = ____ x ____ x 7

343 = ▢ ^{3} → *Exponential notation*

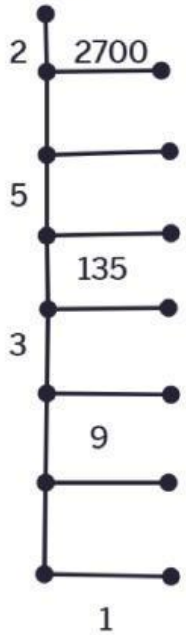
5. Express 3125 using the exponential notation



3125 = ____ x ____ x 5 x ____ x 5

3125 = ▢ ^{5} → *Exponential notation*

6. Express 2700 using the exponential notation



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

2700 = ▢ ^{2} x ▢ ^{3} x ▢ ^{2} → *Exponential notation*

LIVEWORKSHEETS