

Exercise 4A

the triplets of 3 and 7, i.e. $3^3 \times 7^3 = 21^3$ Therefore, 9261 is a perfect cube.

(vii) 5324 is not a perfect cube.

(VIII) 3375.

Resolving 3375 into prime factors:

$$3375 = 3 \times 3 \times 3 \times 5 \times 5 \times 5.$$

Here, two triplets are formed, which are 3^3 and 5^3 . Hence, 3375 can be expressed as the product of

the triplets of 3 and 5, i.e. $3^3 \times 5^3 = 15^3$. Therefore, 3375 is a perfect cube.

Q5

Answer:

The cubes of even numbers are always even. Therefore, 216, 512 and 1000 are the cubes of even numbers

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Answer:

********* END *******