

CLASS 8th
_Date 28/05/20

SCIENCE Learn these q/a

31. Though rayon has a silky sheen, it is otherwise similar to cotton. Why?

Ans – Though rayon has a silky sheen, it is otherwise similar to cotton since rayon is a form of regenerated cellulose which is the constituent material in cotton. But, the physical properties vary. Cotton and rayon are made of the same polymer, cellulose.

32. Differentiate between cotton and silk.

Ans – Cotton

Cotton is obtained from plants. Cotton fabric ignites fast and smells like burning paper. It is a cellulose fibre. It is cheaper than silk. It originates from the seeds of cotton plant.

Silk

Silk is obtained from animals. Silk fabric is slow to ignite and smells like burning hair. It is a protein fibre. It is more expensive than cotton. It is produced by silkworms.

33. Name the polymer which was developed after World War II.

Ans – Nylon

34. Name the first fully-synthetic fibre.

Ans – Nylon

35. Name the constituents of nylon.

Ans – Nylon is prepared from coal, water and air.

36. How was nylon named?

Ans – The word 'nylon' is formed from the initial letters of New York (NY) and London (LON), as it was first produced in these cities.

37. Name the strongest, most elastic and lightest fibre.

Ans – Nylon

ENGLISH

ANSWERS of Exercise-2

Answer:

1.The Sun	2.Milk	3.Time	4.Health	5.God	6.Today	7.Kolkata
8.Islamabad	9.Borrowed garments	10.Nature				

Exercise-3

Complete the sentences using suitable predicate.

1.The Sun.....	2 The cow.....	3.Delhi.....
4.The flower.....	5.Akbar.....	6.The bird.....
7.The tree.....	8.The Earth.....	9.The slope.....
10.He.....		

HINDI

Prashnaarthak vaakey kise kehte hain, udhaaran sahit vyakhya kijiye.

For support material use [www. Google](http://www.google.com) , [YouTube](http://www.youtube.com) , [diksha app](#) [NCERT app](#) etc.

28-5-20

PRAYAG PUBLIC SCHOOL

Class - 8th Maths

classmate

Topic - Finding Cube Root

Prime factorisation Method -

Q.N.1 find the cube root of 64 and -0.729.

Sol. (i)

$$\sqrt[3]{64}$$

$$\sqrt[3]{2 \times 2 \times 2 \times 2 \times 2 \times 2}$$

$$= 2 \times 2$$

$$= 4$$

$$\therefore \sqrt[3]{64} = 4$$

$$\begin{array}{r|l} 2 & 64 \\ 2 & 32 \\ 2 & 16 \\ 2 & 8 \\ 2 & 4 \\ 2 & 2 \\ 2 & 1 \end{array}$$

(ii) $\sqrt[3]{-0.729} = \sqrt[3]{-\frac{729}{1000}}$

$$\begin{array}{r|l} 3 & 729 \\ 3 & 243 \\ 3 & 81 \\ 3 & 27 \\ 3 & 9 \\ 3 & 3 \\ 3 & 1 \end{array}$$

$$\sqrt[3]{729}$$

$$\sqrt[3]{1000}$$

$$\sqrt[3]{3 \times 3 \times 3 \times 3 \times 3 \times 3}$$

$$\sqrt[3]{2 \times 2 \times 2 \times 5 \times 5 \times 5}$$

$$\begin{array}{r|l} 2 & 1000 \\ 2 & 500 \\ 2 & 250 \\ 5 & 125 \\ 5 & 25 \\ 5 & 5 \\ & 1 \end{array}$$

$$= \frac{3 \times 3}{2 \times 5} \Rightarrow \frac{-9}{10} = -0.9$$

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Q.N.2 find the value of $\sqrt[3]{968} \times \sqrt[3]{1375}$.

Sol.

$$\sqrt[3]{968} \times \sqrt[3]{1375}$$

$$\begin{array}{r|l} 2 & 968 \\ 2 & 484 \\ 2 & 242 \\ 11 & 121 \\ 11 & 11 \\ & 1 \end{array}$$

$$\begin{array}{r|l} 5 & 1375 \\ 5 & 275 \\ 5 & 55 \\ 11 & 11 \\ & 1 \end{array}$$

$$\sqrt[3]{968 \times 1375}$$

$$\sqrt[3]{2 \times 2 \times 2 \times 11 \times 11 \times 11 \times 5 \times 5 \times 5 \times 11}$$

$$= \sqrt[3]{2 \times 2 \times 2 \times 11 \times 11 \times 11 \times 5 \times 5 \times 5}$$

$$= 2 \times 11 \times 5$$

$$= 110$$