

H.L. INTERNATIONAL SCHOOL

Summer Holiday Homework

Grade-VIII



Create a colourful poster of the main rescuer/hero of the



Include:

- Character sketch
- Five qualities of the character
- A quotation or slogan on courage

#Prepare a colourful and informative chart/project on the topic allotted according to your roll number.

Roll Nos. 1–7: Degrees of Comparison (Adjectives) • What are the three degrees of comparison? • Explain the rules for forming comparative and superlative degrees. • Give at least 15 examples with sentences.

Roll Nos. 8–14: Order of Adjectives • What is the correct order of adjectives in English? • Explain each category with examples. • Create 10 sentences using two or more adjectives in the correct order.

Roll Nos. 15–21: Tenses • What are the three main tenses? • Explain all twelve tenses with their structures. • Write one example sentence for each tense.

Roll Nos. 22–28: Adverbs • What is an adverb? • Explain the different types of adverbs with examples. • Write 15 sentences using different kinds of adverbs.

Roll Nos. 29–35: Prepositions and Types of Conjunctions • What are prepositions? Explain their uses with examples. • What are conjunctions? • Explain Coordinating, Subordinating, and Correlative Conjunctions with examples. • Write 10 sentences using prepositions and 10 sentences using conjunctions.

E
N
G
L
I
S
H



प्र.1- पांच अनमोल वचन और पांच सूक्तियों को चार्ट पेपर पर लिखिए।

प्र.2- अभी तक का करवाया गया संपूर्ण पाठ्यक्रम दोहराएं।

प्र.3- "जल है तो कल है " विषय को ध्यान में रखते हुए जल के सदुपयोग हेतु एक प्रोजेक्ट तैयार कीजिये।

प्र.4- अपने राष्ट्र, समाज और पर्यावरण के प्रति जागरुकता उत्पन्न करते हुए एक अनुच्छेद लिखिए।
(व्याकरण not book)

प्र.5- आपके जीवन के क्या सपने हैं उनके बारे में बताते हुए अपने मित्र को पत्र लिखिए। (व्याकरण not book)

प्र.1- पांच अनमोल वचन और पांच सूक्तियों को चार्ट पेपर पर लिखिए।

प्र.2- अभी तक का करवाया गया संपूर्ण पाठ्यक्रम दोहराएं।

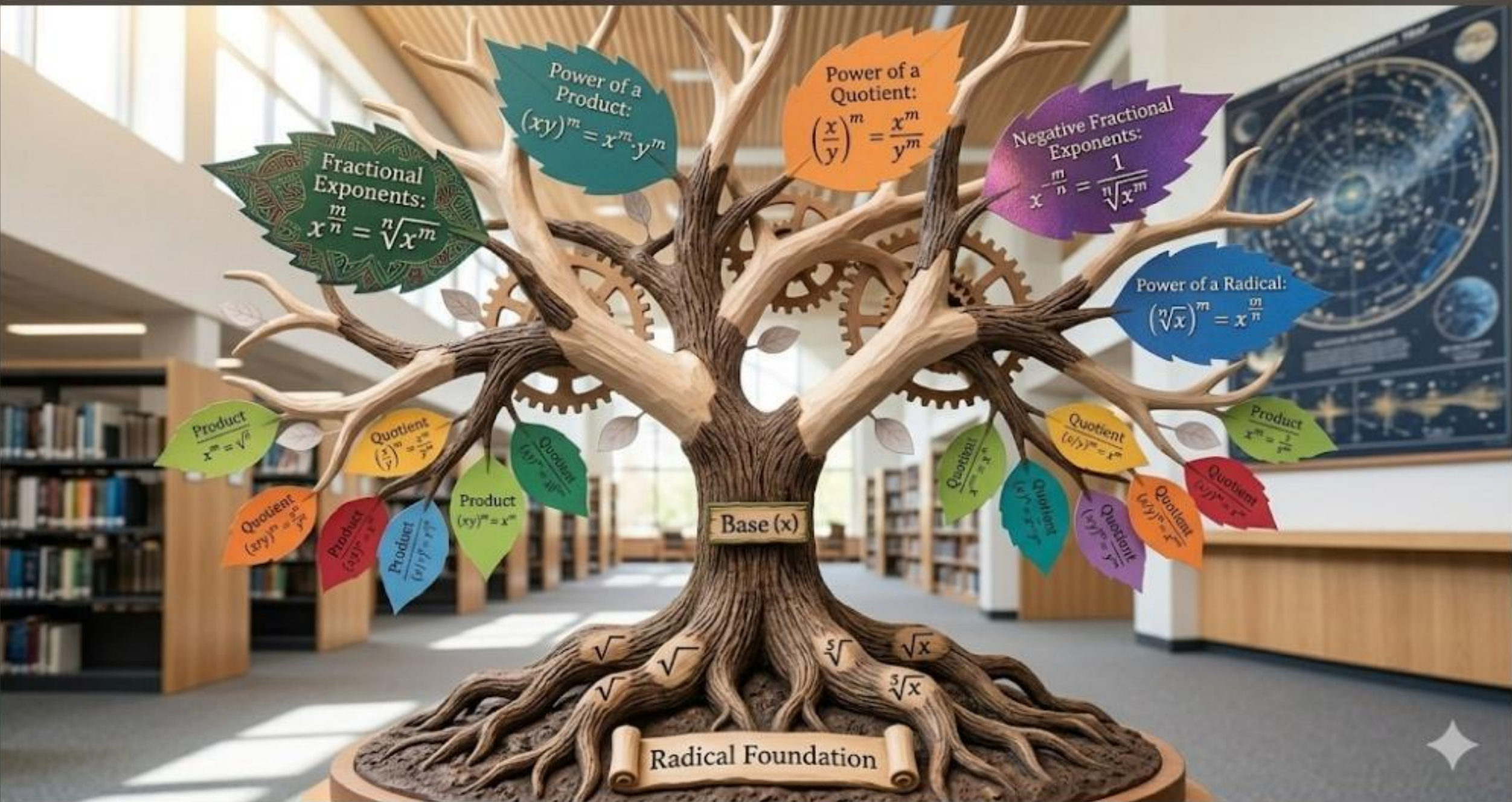
प्र.3- "जल है तो कल है " विषय को ध्यान में रखते हुए जल के सदुपयोग हेतु एक प्रोजेक्ट तैयार कीजिये।

प्र.4- अपने राष्ट्र, समाज और पर्यावरण के प्रति जागरुकता उत्पन्न करते हुए एक अनुच्छेद लिखिए।
(व्याकरण not book)

प्र.5- आपके जीवन के क्या सपने हैं उनके बारे में बताते हुए अपने मित्र को पत्र लिखिए। (व्याकरण not book)



- □ **Section 1: The 2D Realm (Squares & Square Roots)**
- Visual Element: Draw a perfect 5×5 grid using a ruler. Shade the total 25 small squares in a gradient of color. This visually shows why $5^2 = 25$.
-
- **The Core Math:** List the Perfect Squares from 1 to 20 in a neat, colorful mini-table.
- **Creative Twist – "The Property Spotlight":** Write down 2 interesting mathematical properties of square numbers, such as:
- **Property 1:** A perfect square number never ends in the digits 2, 3, 7, or 8.
- **Property 2:** (Odd Number Rule): The sum of the first n odd natural numbers is n^2 . (Example: $1 + 3 + 5 + 7 = 16$, which is 4^2).
-
- □ **Section 2: The 3D Realm (Cubes & Cube Roots)**
- Visual Element: Draw a 3D isometric cube (e.g., a $3 \times 3 \times 3$ Rubik's cube structure showing 27 smaller blocks).
- The Core Math: List the Perfect Cubes from 1 to 15.
- □ **Section 3: The Power Play (Laws of Exponents)**
- Instead of just writing the formulas in a boring list, design an "Exponent Tree" or a "Formula Wheel".
- The Visual: Draw a tree trunk labeled "Base (x)". Draw branches growing outward, where each branch represents a different Law of Exponents written on a colorful paper leaf:
-
- Product Rule: $x^m \times x^n = x^{m+n}$
- Quotient Rule: $x^m \div x^n = x^{m-n}$
- Power of a Power: $(x^m)^n = x^{mn}$
- The Zero Hero: $x^0 = 1$
- Negative Power Flip: $x^{-m} = 1/x^m$



Power of a Product:
 $(xy)^m = x^m \cdot y^m$

Power of a Quotient:
 $\left(\frac{x}{y}\right)^m = \frac{x^m}{y^m}$

Negative Fractional Exponents:
 $x^{-\frac{m}{n}} = \frac{1}{\sqrt[n]{x^m}}$

Power of a Radical:
 $(\sqrt[n]{x})^m = x^{\frac{m}{n}}$

Fractional Exponents:
 $x^{\frac{m}{n}} = \sqrt[n]{x^m}$

Product
 $x^m = \sqrt[n]{x^m}$

Quotient
 $\left(\frac{x}{y}\right)^m = \frac{x^m}{y^m}$

Quotient
 $\left(\frac{x}{y}\right)^m = \frac{x^m}{y^m}$

Product
 $(xy)^m = x^m y^m$

Quotient
 $\left(\frac{x}{y}\right)^m = \frac{x^m}{y^m}$

Product
 $(xy)^m = x^m y^m$

Product
 $(xy)^m = x^m y^m$

Quotient
 $\left(\frac{x}{y}\right)^m = \frac{x^m}{y^m}$

Product
 $x^m = \sqrt[n]{x^m}$

Quotient
 $\left(\frac{x}{y}\right)^m = \frac{x^m}{y^m}$

Quotient
 $\left(\frac{x}{y}\right)^m = \frac{x^m}{y^m}$

Quotient
 $\left(\frac{x}{y}\right)^m = \frac{x^m}{y^m}$

Base (x)

Radical Foundation

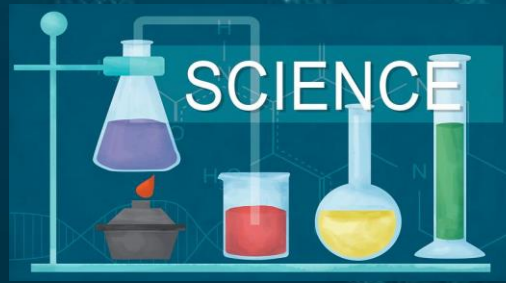
$\sqrt{x}$

$\sqrt{x}$

$\sqrt{x}$

$\sqrt{x}$

$\sqrt{x}$



Q1. Write a short paragraph on:

“How Science Makes My Life Better”

Mention examples from transport, communication, medicine, cooking, etc.

Q2. Observe your surroundings and write any 2 science related observations like why clothes dry faster in summer than in winter etc...

Q3. Project based work- Prepare a model on any one of the given topics.

- a) model of cyclone**
- b) model of different types of forces.**
- c) model of lightning conductor**

Note:- a)https://youtu.be/Ev-pu0_aEWE?si=PAf-PQLQVshNdLiD

b)<https://youtu.be/SFLjmrIFnSY?si=vW8bBXF8SOE61sJq>

c)<https://youtu.be/syzWCcvXH14?si=EeGFaQS7YRzGnkid>

Q.1 Make any one model from the following: -

Rainwater harvesting model

Renewable vs Non-Renewable resources model

Windmill working model

Parliament House of India

Red Fort

Q.2 Make a Timeline Chart of the Maratha Empire on a chart paper

Include Important Events:

- Birth of Shivaji
- Capture of forts
- Coronation of Shivaji
- Conflict with Mughals
- Expansion of Maratha Empire

Use pictures and dates.

THANK YOU

