



DELHI PUBLIC SCHOOL, JAMMU

SESSION-2022-23



CLASS-VIII

CLASS:- VIII

SUBJECT: ENGLISH

1) Read any one of the following poems from your Main Coursebook. Choose the stanza/line you like the most in the poem and illustrate it in the form of a picture/drawing.

1. The Ant and the Cricket
2. Coromandel Fishers
3. Lions and Ants

How to do: Explore your imagination and depict the poem as an artistic representation.

Where to do: Use A3 or A4 sheets for illustrating the same.

Parameters for Assessment: Originality, Creativity and Presentation.

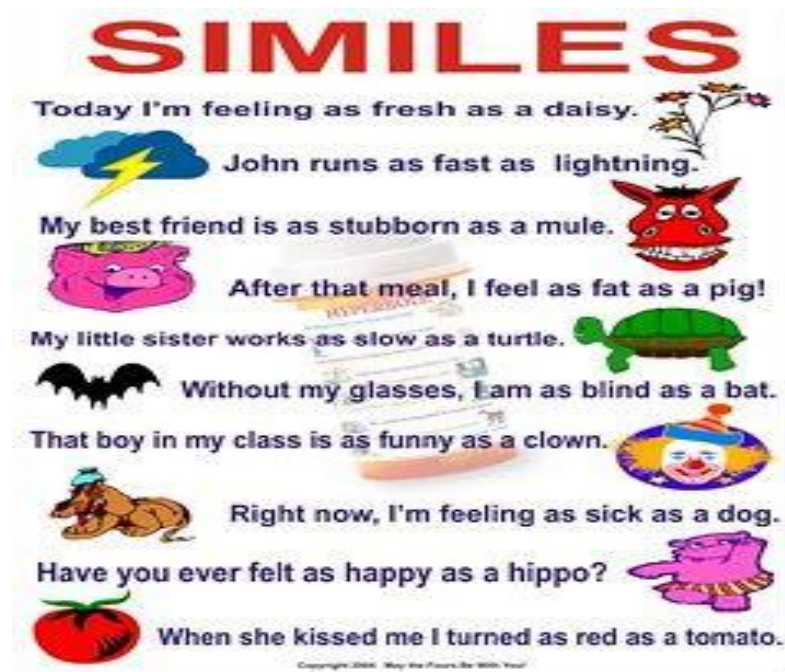
2) Being Innovative

Listen to Lenka's 'Everything At Once' on YouTube (<https://youtu.be/eE9tV1WGTgE>). Understand the lyrics and figure out the poetic device used in the song.

Compose your own song on the same tune, using different similes.

How to do: Think of all the similes that would explain what you want to be and pen them down on a paper.

Parameters for Assessment: Originality, Language & Creativity.

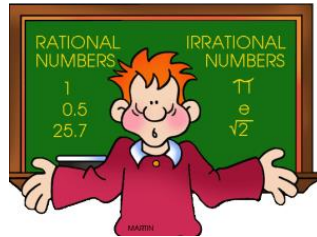


SUBJECT: HINDI

- अवकाश में किन्हीं सात दिनों का कोई भी हिंदी समाचार पत्र पढ़िए तथा उसमें से कोई भी कहानी अथवा लेख प्रस्तुत कर उनमें से संज्ञा, सर्वनाम, विशेषण और मुहावरे छाँटिए।
- प्राकृतिक सौंदर्य की अनुभूति करते हुए पर्यावरण संरक्षण हेतु चित्र सहित स्वरचित कविता प्रस्तुत कीजिए।

SUBJECT: MATHS

TOPIC-RATIONAL NUMBERS



1. Which of the rational numbers $\frac{4}{9}$, $-\frac{5}{6}$, $-\frac{7}{-12}$ and $\frac{11}{-24}$ is the smallest?
(a) $\frac{4}{9}$ (b) $-\frac{5}{6}$ (c) $-\frac{7}{-12}$ (d) $\frac{11}{-24}$
2. Which of the rational numbers $-\frac{4}{9}$, $\frac{5}{-12}$, $\frac{7}{-18}$, $\frac{2}{-3}$ is the greatest?
(a) $\frac{7}{-18}$ (b) $-\frac{4}{9}$ (c) $\frac{2}{-3}$ (d) $\frac{5}{-12}$
3. Simplify: $\frac{2}{3} + -\frac{4}{5} + \frac{7}{15} + -\frac{11}{20}$
(a) $-\frac{1}{5}$ (b) $-\frac{13}{60}$ (c) $-\frac{4}{15}$ (d) $-\frac{7}{30}$
4. The reciprocal of a negative rational number _____
(a) is a positive rational number
(b) is a negative rational number
(c) can be either a positive or a negative rational number
(d) does not exist

ANSWER if you're Genius

If

$$2 + 3 = 13$$

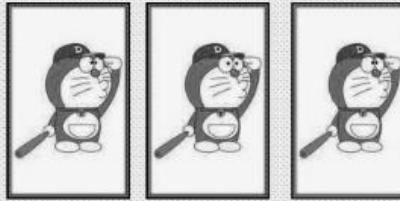
$$3 + 4 = 25$$

$$4 + 5 = 41$$

Then

$$5 + 6 = ?$$

Which one is Different ?



1

2

3



SOLVE

1. Represent $\frac{-5}{4}$ and $\frac{5}{4}$ on same number line. Are these points equidistant from the origin?
2. Rohit bought $10\frac{7}{8}$ Kg atta, $3\frac{1}{2}$ kg vegetables and carried them on his head. How much weight did he carry on his head?
3. Verify : $(\frac{-2}{3}) + (\frac{-4}{7} + \frac{1}{14}) = (\frac{-2}{3} + \frac{-4}{7}) + (\frac{1}{14})$
4. Verify that $(x \times y) \times z = x \times (y \times z)$, if $x = \frac{4}{5}$, $y = \frac{-3}{6}$, $z = \frac{-2}{15}$

TOPIC : **SQUARE & SQUARE ROOTS**

Mathematics is one of the essential emanations of the human spirit — a think to be valued in and for itself like art or poetry.

1. The area of a square plot is 2304 m^2 . Find the side of the square.
2. Using prime factorization, find the square root of 7056.
3. Find the value of $(23)^2$ using column method.
4. Write a Pythagorean triplet whose smaller member is 6.
5. Without adding, find the sum.
 $(1+3+5+7+9+11+13+15+17)$
6. Find the value of $\sqrt{441}$
7. Find the square root of 144 by the method of repeated subtraction.
8. Find the smallest number by which 1800 must be multiplied so that it becomes a perfect square. Also find the square root of the perfect square so obtained.
9. Find the square root of $4\frac{53}{169}$
10. Simplify : $(\sqrt{81} + \sqrt{0.81} + \sqrt{0.0081}) \times \sqrt{1000}$

Solve if you are a Genius !

$$11 \times 11 = 4$$

$$22 \times 22 = 16$$

$$33 \times 33 = ?$$

TOPIC : EXPONENTS & POWERS

Mathematics is the art of giving the same name to different things. ---- Henri Poincare

Why Exponent Powers Are Important

$$a^m \times a^n = a^{m+n}$$

$$\frac{a^m}{a^n} = a^{m-n}$$

$$(a^m)^n = a^{mn}$$

$$a^{-m} = \frac{1}{a^m}$$

$$a^1 = a$$

$$a^0 = 1$$



FACTS THAT MATTER: REVISE

- A number is said to be in the standard form, if it is expressed as the product of a number between 1 and 10 and the integral power of 10.
- Very small numbers can be expressed in standard form using negative exponents.

When the exponent is 0,

and the base is any number but 0, the answer is 1.

$$2^0 = 1$$

$$4,638^0 = 1$$

Any number (except the number 0)⁰ = 1

$$0^0 = \text{undefined}$$

WE KNOW THAT

When we write 5^4 , it means $5 \times 5 \times 5 \times 5$, i.e. 5 is multiplied 4 times. So 5 is the base and 4 is the exponent. We read 5^4 as 5 raised to the power 4.

The numbers with negative exponents also obey the following laws:

- We express very small or very large numbers in standard form (i.e.

scientific notation) for example:

i. $\frac{27}{10000000000} = \frac{27}{10^{10}} = 27 \times 10^{-10} = 2.7 \times 10^{-9}$

ii. $3600000000000 = 36 \times 10^{11} = 3.6 \times 10^{12}$

POWER WITH NEGATIVE EXPONENTS

For a non-zero integer x, we have $x^{-m} = \frac{1}{x^m}$

So x^{-m} is the reciprocal (or the multiplicative inverse) of x^m and vice versa

1) What is the value of $(-1)^{-1}$?

- a) 0 b) -1 c) 1 d) none of these

2) Which of the following is the value of 'm' in $6^m/6^{-3} = 6^5$?

- a) -3 b) -2 c) 3 d) 2

3) Which of the following is the standard form of 0.00001275?

- a) 1.275×10^{-5} b) 1.275×10^5 c) 1.275×10^{-7}
d) 1.275×10^7

4) Which of the following is used as a form of 5.05×10^6 ?

- a) 505000 b) 505000000 c) 5050000



- d) 50500000

5) For which of the following is $m = 8$?

- a) $(5^m \times 5^{-3}) / 5^2 = 5^3$ b) $(5^m \times 5^{-3}) / 5^3 = 5^2$
c) $(5^m \times 5^3) / 5^2 = 5^3$ d) $(5^m \times 5^{-2}) / 5^2 = 5^3$

- 6) 1 micron = $1/1000000$ m. which of the following is its standard form?
a) 1.1×10^{-5} b) 1.6×10^{-5} c) 0.1×10^{-6} d) 1.0×10^{-6}
- 7) $[(1/2)^{-1} + (2/3)^2 - (3/4)^0]^{-2}$ is equal to
a) 81/484 b) 81/169 c) 169/81 d) 16/81

NOTE ; Dear students practice all chapters done in class for FA -1 exams. Practice square and square roots from book “Lets Think and Learn.”

SUBJECT: SCIENCE

Q1. Prepare a science book of your own design and its cover page. You can use scrap book. Write chemical equation (3 each) for the following reactions:

- Metals with oxygen
- Non-metals with oxygen
- Metals with water
- Metals with Acid
- Metals with bases
- Neutralization Reaction



Q2. Learn the first 20 elements along with their electronic configuration, symbols, and valency in a scrap book. Using your own creativity make your scrap book colourful and interactive.

LINK:- <https://www.chemicool.com/m/>

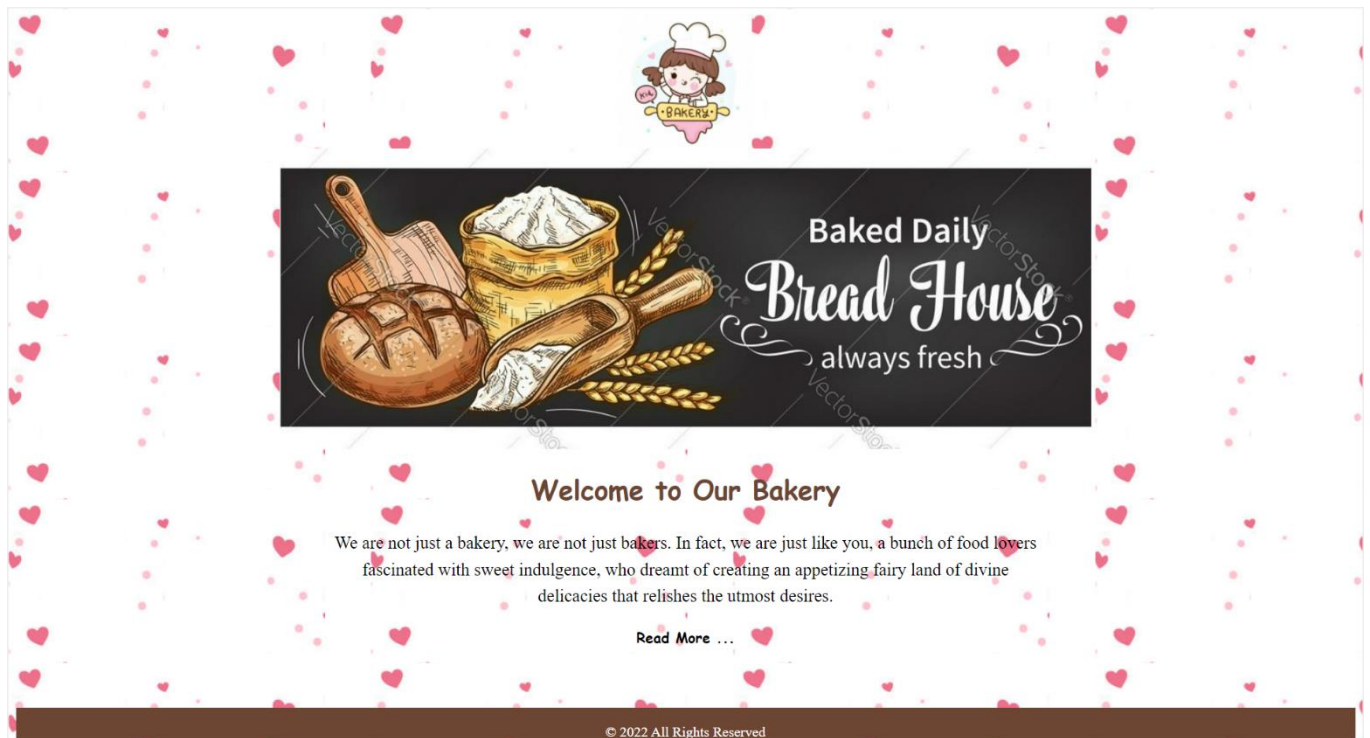
SUBJECT: COMPUTERS

Write an HTML to generate the webpage for the bakery shop.

(Use relevant tags and their attributes)

- Set the logo image of the page in the center.
- Background image should be used.
- Add image with proper height and width.
- After the image, add text such as “Welcome to our bakery” with beautiful font style, size, and colour.
- Add a few lines about your page.
- Add a Hyperlink “Read more” at the bottom of the text.
- Link the read more page with the following URL: <http://www.sweetdelight.eu/>
- At last add the copyright section as the footer of the webpage.

You should add your creativity at your best to make a webpage more attractive.



Note: Paste your HTML code as well as webpage screenshot in MS word and save with filename:

Name of the student_section

Eg: Alisha_8B.docx

SUBJECT: URDU اُردو

1. Write sentences of given words/ Pictures

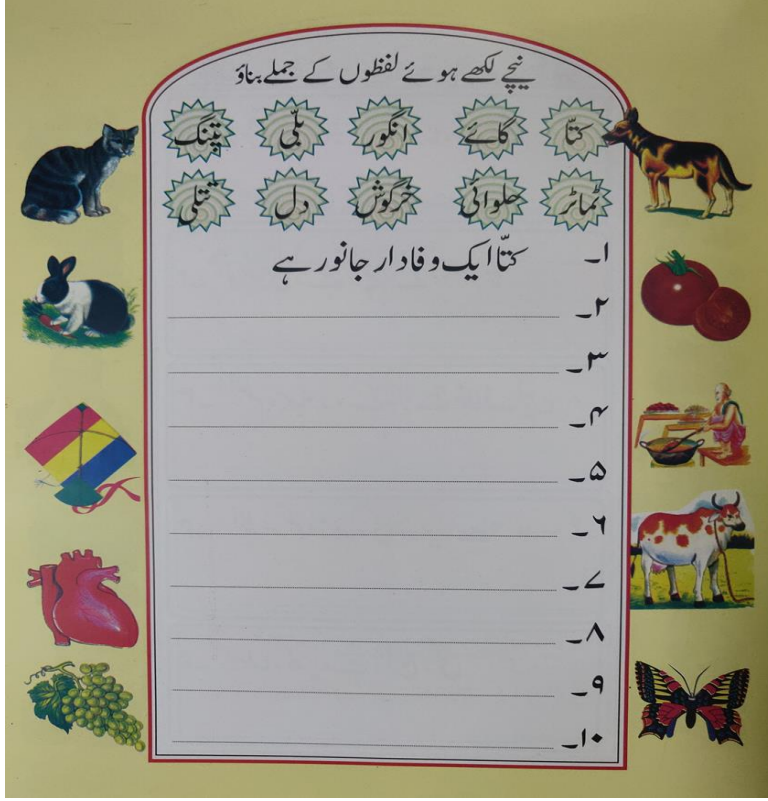
1- دیئے گئے لفظوں کے جملے بنائیے۔

نیچے لکھے ہوئے لفظوں کے جملے بناؤ

کتا کالے کانے کتا کتا کتا
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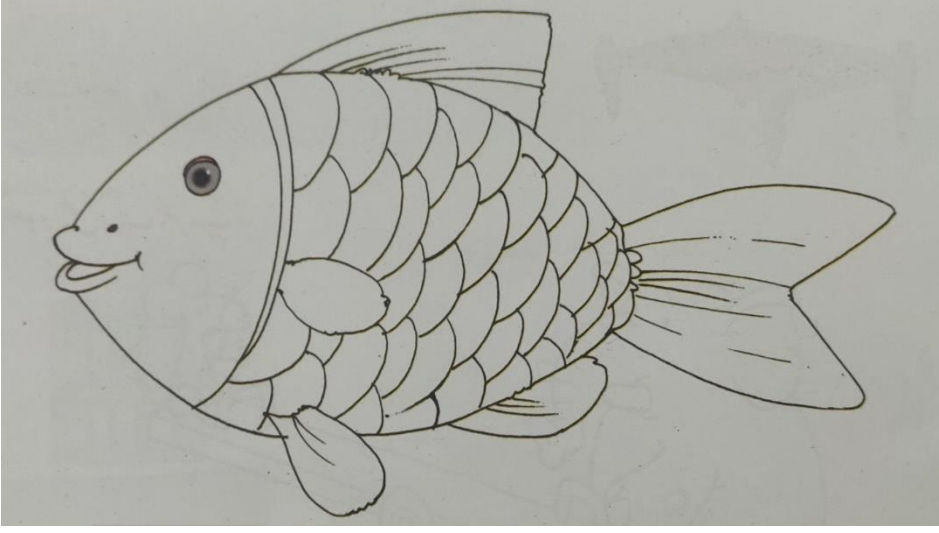
کتا ایک وفادار جانور ہے

۱-
۲-
۳-
۴-
۵-
۶-
۷-
۸-
۹-
۱۰-



2. Identify the picture, colour it and then write four sentences on it in the given space below.

2- دی گئی تصویر کو پہچانیئے، اُس میں مناسب رنگ بھریئے پھر اُس کے متعلق چار جملے اُس کے نیچے لکھیئے۔



1

2

3

4

विषय :-संस्कृत

- 1.योग में रोग प्रतिरोधक शक्ति बढ़ाने वाले 10 आसनों के नाम संस्कृत भाषा में लिखें एवं उनके बारे में दो- दो वाक्य संस्कृत भाषा में बनाएं ।
- 2.अपने परिवार की दिनचर्या को देखकर प्रत्येक व्यक्ति के बारे में चार- चार वाक्य लट्, लोट ,लृट् और लङ् लकार में बनाइए। तथा अपने परिवार के सदस्यों के चित्र भी चिपकाएं ।

उदाहरण :-

- > लट्लकारः - बालकः खादति ।
- > लृट्लकारः - बालकःखादिष्यति।
- > लङ्लकारः - बालकः अखादत् ।
- > लोट्लकारः - बालक खादतु ।

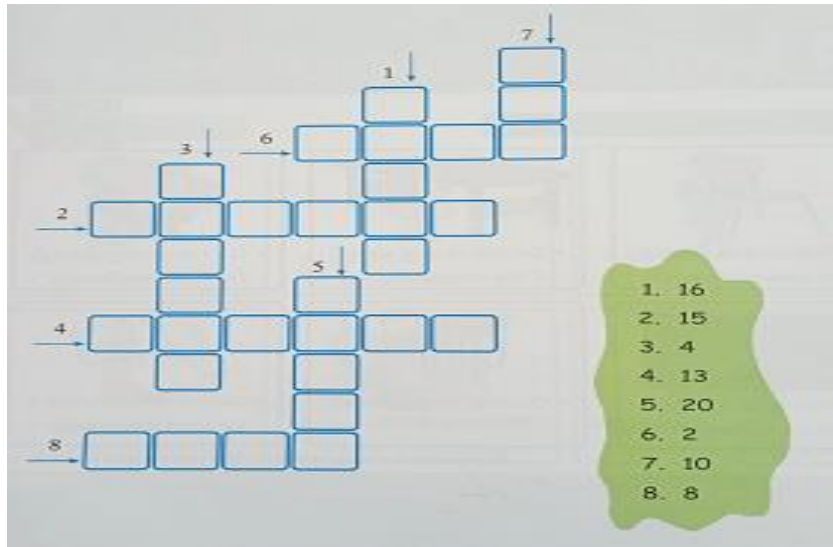


सामान्य निर्देश- छात्र का नाम ,कक्षा, वर्ग एवं तिथि लिखना अनिवार्य है ।

SUBJECT : FRANCAIS (FRENCH)

Q1. Complete the crossword using the hints given below. Write the numbers in letters

- 1. 16 _____
- 2. 15 _____
- 3. 04 _____
- 4. 13 _____
- 5. 20 _____
- 6. 02 _____
- 7. 10 _____
- 8. 08 _____



Q2. Comprehension Orale / Listening Activity; Ecoutez et notez l'age de ces enfants. (Listen and note the age of these kids.) Click the link to hear the audio clip (Press the ctrl key + follow the link) => <https://youtu.be/aW7n74MwGuE>

Quel age avez-vous?

- 1. Hubert _____.
- 2. Patrice _____
- 3. Emilie _____
- 4. Sophie _____
- 5. Gilbert _____

Q3. Cochez la bonne reponse. (Correct the right answer.)

1. A comme

- a. Avion
- b. Uniforme
- c. Maison

6. Qu'est-ce que c'est ?

- a. Une maison
- b. Une pomme
- c. Un dauphin



2. R comme

- a. Règle
- b. Orange
- c. École

7. Qu'est-ce que c'est ?

- a. Une trousse
- b. Un stylo
- c. Un livre



3. M comme

- a. Garçon
- b. Cadeau
- c. Maison

8. Quel âge as-tu ?

- a. Je suis 11 ans.
- b. J'ai 11 ans.
- c. Je ai 11 ans.

4. P comme

- a. Raisin
- b. Maison
- c. Pomme

9. Combien de bonbons as-tu ?

- a. J'ai trois bonbons.
- b. J'ai quatre bonbons.
- c. J'ai treize bonbons.



5. Qu'est-ce que c'est ?

- a. Un avion
- b. Un bateau
- c. Un crayon



10. Combien de livres as-tu ?

- a. J'ai deux livres.
- b. J'ai trois livres.
- c. J'ai quatre livres.



SUBJECT: GERMAN

1. In dieser Aktivität, aus einem Wort mehrere bilden:

Zum Beispiel: AUFWIEDERSEHEN

Auf	Wieder	Sehen
Der	Die	Das
Sehr	Wer	Wen

Jetzt müssen Sie mehrere Wörter aus dem Wort machen-

"KRICKETWELTMEISTERSCHAFT"

2. Reisen macht Spaß. Unsere Chance, neue Orte zu besuchen, neue Leute kennenzulernen und Erinnerungen zu schaffen.

-Machen Sie eine schöne Reisebroschüre für die Stadt Jammu, die Touristen über die zu besuchenden Orte führt.

Präsentieren Sie auch ein 1 oder 2 - minütiges Video über die Stadt Jammu und die zu besuchenden Orte.

Traveling is fun; Our chance to visit new places, meet new people and create memories. Make one nice Travel Brochure for Jammu city guiding tourists about the places to visit.

General Instructions:

Students must mention their name, class/section

