



KENDRIYA VIDYALAYA No. 2



AFS SURATGARH

JAIPUR REGION

(WINTER VACATIONS ASSIGNMENT)

2023-2024

Dear Parents / Students,

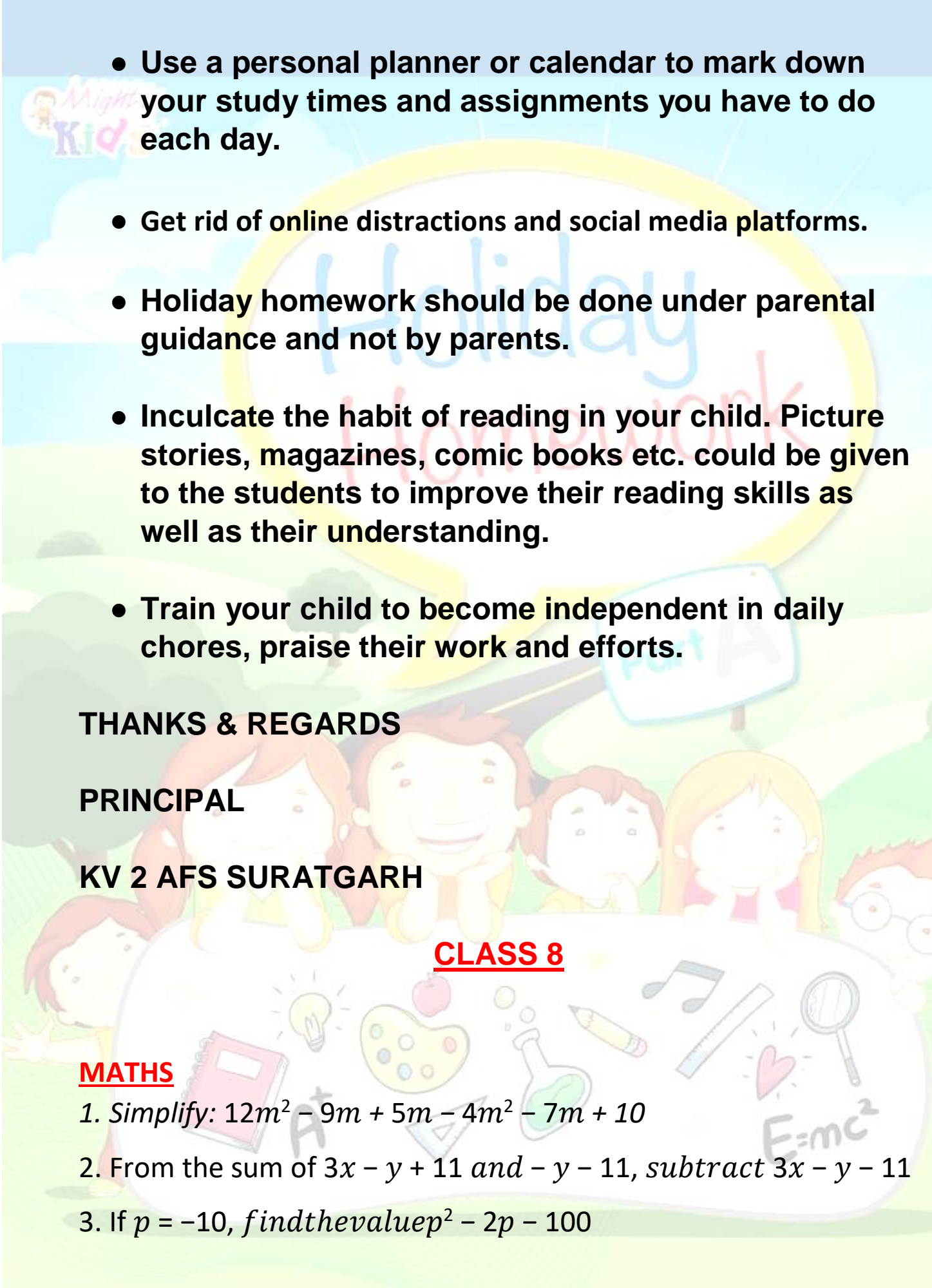
The winter vacations are from 25December 2023 to 14 January 2024. School will re-open on 15th January 2024 i.e. Monday.

Holiday Home Work can be downloaded from the school website.

<https://no2suratgarhafs.kvs.ac.in>

Winter Vacations are going to start but we have to make our vacations creative and productive for our kids. For the constructive utilization of time and energy of the students, following points must be considered:

- **Create a Study Schedule that fits around your study plans.**

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- Use a personal planner or calendar to mark down your study times and assignments you have to do each day.
 - Get rid of online distractions and social media platforms.
 - Holiday homework should be done under parental guidance and not by parents.
 - Inculcate the habit of reading in your child. Picture stories, magazines, comic books etc. could be given to the students to improve their reading skills as well as their understanding.
 - Train your child to become independent in daily chores, praise their work and efforts.

THANKS & REGARDS

PRINCIPAL

KV 2 AFS SURATGARH

CLASS 8

MATHS

1. Simplify: $12m^2 - 9m + 5m - 4m^2 - 7m + 10$

2. From the sum of $3x - y + 11$ and $-y - 11$, subtract $3x - y - 11$

3. If $p = -10$, find the value of $p^2 - 2p - 100$

4. Add: $p(p - q)$, $q(q - r)$ and $r(r - p)$

5. Multiply: $(2q + 3q^2)$ and $(3pq - 2q^2)$

6. Subtract: $3l(l - 4m + 5n)$ from $4l(10n - 3m + 2l)$

7. Three identical cubes each side 8 cm are joined end to end. Find the total surface area of the cuboid so formed.

8. Area of the base of a cuboid is 90 cm^2 . Its height is 6 cm. Find the volume.

9. Find the volume of the cylinder where the area of its base is 45 cm^2 and height is 9 cm.

10. A cuboidal tin open at the top has dimension $20\text{cm} \times 16\text{cm} \times 14\text{cm}$. What is the total area of a sheet of metal required to make 10 such tins?

11. A closed circular cylinder has diameter 10 cm and height 16 cm. Find the total surface area of the cylinder.

12. It is required to make a closed cylindrical tank whose height is 1 m and radius of whose base is 70 cm from a sheet of metal. How many square meters of metal sheet is required?

13. A room is 6.5m long, 4 m wide and 4.5 m high. Find the area of four walls of this room.

14. Find m so that $(-5)^{m+1} \times (-5)^3 = (-5)^6$.

15. Evaluate: $((1/4)^{-2} - (1/3)^{-1})$

16. If $(12/13)^4 \times (13/12)^{-8} = (12/13)^{2t}$, then find the value of t .

17. Two persons could fit new windows in a house in 3 days.

(i) One of the persons fell ill before the work started. How long would the job take now ?

(ii) How many persons would be needed to fit the windows in one day?

18. A car takes 3 hrs to reach a destination by travelling at the speed of 60 km/hr. How long will it take when the car travels at the speed of (a) 90 km/hr ? (b) 45 km/hr ?

19. A 5m60cm high vertical pole casts a shadow 3m20cm long. Find at the same time

(a) the length of the shadow cast by another pole 10m50cm high

(b) the height of a pole which casts a shadow 5m long

20. If a box of sweets is divided among 24 children, they will get 5 sweets each. How many would each get, if the number of the children is reduced by 4?

21. A model of a ship, the mast is 9 cm high, while the mast of the actual ship is 12 m high. If the length of the ship is 28 m, how long is the model ship?

22 Simplify

$$\frac{25 \times t^{-4}}{5^{-3} \times 10 \times t^{-8}} \quad (t \neq 0)$$

23. Simplify

$$\frac{3^{-5} \times 10^{-5} \times 125}{5^{-7} \times 6^{-5}}$$

24. Express the following numbers in standard form.

(a) 0.00000000000885

(b)603000000000

25. There are 150 students in a hostel. Food provision for them is for 20 days. How long will these provisions last, if 50 more students join the group?

ENGLISH

1. Learn the following chapters:

- (A) This is Jody's Fawn
- (B) The Fight
- (C) A Visit to Cambridge
- (D) Jalebis

2. Write the Paragraphs on the following topics:

- (A) Christmas celebration
- (B) My Hobby

3. Writing Skills (Informal letter)

Write informal letter on

- a. **To your friend, inviting him her to your place for winter break.**
 - b. **To your elder brother about your aim in life.**
- 4. Find and write 20 idioms and their meanings.**

Test will be conducted on 16 January.

5 questions from each chapter

Question-Answer limits (200 Words) and remembers the chapters conducted after the half-yearly examination.

हिन्दी

1. विशेषण एवं क्रिया-विशेषण की परिभाषा एवं इसके भेद उदाहरण सहित लिखिए।

2. उपसर्ग और प्रत्यय की परिभाषा उदाहरण सहित लिखिए।

3. 10 मुहावरे इनके अर्थ लिखकर वाक्य बनाइए।

4. जीवनमें 'सच्चे मित्र का महत्व' विषय पर 100 शब्दोंमें अपने विचार लिखिए।

5. (i) छात्रवृत्ति लेने हेतु विद्यालयके प्राचार्य महोदयको प्रार्थना-पत्र लिखिए।

(ii) अपने छोटे भाई को योगका महत्व बताते हुए पत्र लिखिए।

6. कोई दो अनुच्छेद लिखिए-

i) जल-संरक्षण

ii) गणतंत्र दिवस (26 जनवरी)

iii) कम्प्यूटर का महत्व



SANSKRIT

- (1) अवकाश प्रार्थना पत्र
- (2) सांसार सागरस्य नायिकाः, सप्त भगिन्यः, कः रक्षति कः रक्षितः पाठाः पञ्चोत्तरैः सह स्मरणं कर्तव्यम्।
3. 'नीति नवनीतम्' इत्यस्य पाठस्य केचन चत्वारः श्लोकाः अर्थेन सह स्मर्तव्याः।
4. पुलम्, अस्मत्, तत्, इदम्, यत्, राजन् इतिषां शब्दानां रूपाणि लिखित्वा स्मरेत्।
5. केचन पञ्च धातूनां रूपाणि लट्, लृट्, लोट्, लङ् लकाराणां लिखित्वा स्मरेत्।

Science

Chapter -light (summary and exercise)

Chapter - chemical effect of electric current (summary and exercise)

$$E=mc^2$$

Holiday Homework

Part A



A+

$E=mc^2$