

HOLIDAY HOMEWORK FOR CLASS VII

AIR FORCE SCHOOL, SULUR, 5BRD

SCIENCE

Science in the Kitchen

Dear students choose a scientific concept related to food (e.g., states of matter, chemical reactions) to conduct a simple experiment at home (e.g., observing how dough rises). Thereafter, document your observations and explain the science behind it, when the school reopens.

Steps to follow for experiment:

- (AIM) Select your experiment
- Material required for the experiment
- Theory / principle behind your experiment
- Procedure (steps to follow)
- Observation (what change did you observed)
- Conclusion

2. Prepare a card using turmeric paste (a natural acid-base indicator) and detergent solution. (Refer Page Number 41, Activity 4.2 of your text book).

3. Collect the information on any 5 latest scientific inventions. Present this information with pictures in a scrap file.

4. **Plan for a working/ static model for science exhibition**

SOCIAL STUDIES

- ❖ Make a model of interior of the Earth, Layers of atmosphere
- ❖ Report Making: If possible, visit historical site, museum, and government institutions. Write a report on your observations.
- ❖ Write an essay on conservation of environment and sustainable development.

MATHEMATICS

FRACTIONS AND DECIMALS

Short Answer type:

- 1) The fraction is in the form $100\frac{27}{100000}$

2. When .36 is written in simplest fractional form, the sum of the numerator and the denominator is..?

3. What decimal of an hour is a second?

4) If $47.2506 = 4A + 7B + 2C + 5D + 6E$

$$47.2506 = 4A + 7B + 2C + 5D + 6E,$$

Then the value of $5A + 3B + 3C + D + 3E$

$$5A+3B+3C+D+3E \text{ is..?}$$

5) What is the difference between the biggest and the smallest fraction among $\frac{23}{34}$, $\frac{45}{23}$, $\frac{34}{45}$ and $\frac{56}{56}$..?

6) When $0.42\bar{7}$ is converted into a fraction, what is the value?

7. Divide: $-38.50 \div (-0.8) =$

8. Divide: $-42.02 \div (-0.04) =$

9. Divide: $-23.3 \div (-0.01) =$

10. Divide: $-31.8 \div 0.9 =$

11. Multiply: $-3.04 \times (-8.0) =$

12. Multiply: $1.2 \times (-8.709) =$

13. Multiply: $-8.3 \times (-1.744) =$

14. Multiply: $0.6 \times 0.2 \times 1.9 =$

15. Multiply: $6.3 \times (-0.6) =$

16. Multiply: $-0.3 \times (-0.6) \times 0.7 =$

17. Multiply: $1.9 \times 0.07 \times 0.8 =$

18. Multiply: $0.6 \times 0.08 \times 1.2 =$

19. Multiply: $0.9 \times 0.05 \times (-0.6) =$

20. Multiply: $0.08 \times 0.3 \times (-0.3) =$

Word Problem:-

1) A barrel has 56.32 liters capacity. If Supriya used 21.19 liters how much water is left in the barrel.

2) Megha bought 12 bags of wheat flour each weighing $\frac{4563}{100}$ kg. What will be the total weight?

- 3) If circumference of a circle is 16.09 cm. What will be its diameter ($\pi=3.14$)?
- 4) If the product of 38.46 and another number is 658.17, what is the other number?
- 5) Rakesh bought a new. He went on a road trip of 165.9 km on bike. After a week he went for another trip of 102.04 km. What will be the reading on meter reader of the bike?

SANSKRIT

- ❖ शब्दरूप - मतिः, नदी, वारि, पिता, मधु
- ❖ संख्यावाचक शब्द - 1 से 100 तक।

ENGLISH

INSTRUCTION:-

- ***Kindly take a printout, write the answers and use a separate A4 sheet for question number.24 (approximately 100 words)***

1. Identify the subject in the following sentence: The cat sat on the mat.
2. What is the past tense of the verb "eat"?
3. Choose the correct form of the verb: They ___ football every evening.(play/plays)
4. Identify the conjunction in the sentence: She is tired but happy.
5. What is the plural form of "ox"?
6. Rewrite the sentence using correct punctuation: please close the door
7. What part of speech is the word "happily" in the sentence: She sang happily?
8. Correct the sentence: The dog barked loudlily.
9. Identify the preposition in the sentence: The book is under the table.
10. What is the comparative form of "beautiful"?
11. Identify the object pronoun in the sentence: He gave her a flower.
12. What is the superlative form of "smart"?
13. Correct the sentence: She have finished her homework.

14. Identify the adverb in the sentence: The boy sings loudly.
15. What is the past participle of the verb "drink"?
16. Choose the correct form of the adjective: This is the ___ movie I've ever watched. (good/better/best)
17. Identify the interjection in the sentence: Ouch! That hurts.
18. What is the plural possessive form of "child"?
19. Correct the sentence: He don't like pizza.
20. Identify the article in the sentence: A cat chased the mouse.
21. What is the past tense of the irregular verb "begin"?
22. Choose the correct form of the verb: They ___ a song yesterday. (sing/sang)
23. Identify the gerund in the sentence: Running is good exercise.
24. Imagine you could go on a dream vacation anywhere in the world. Write a short composition describing your dream vacation destination. Include details such as the location, activities you would do there, and why it's your dream destination.

COMPUTER

DECIMAL TO BINARY

41	
30	
5	
10	
99	
123	
244	
13	
78	
143	
94	
58	
190	
202	
6	

DECIMAL TO OCTAL

54	
33	
25	
10	
199	
3	
244	
113	
78	
111	
255	

BINARY TO DECIMAL

1111	
1101	
100101	
10	
00111100	
100	
110	
11111101	
1000100	
100001	
11010	
10101011	
10011001	
1110111	
11111	

DECIMAL TO HEXADECIMAL

154	
2	
25	
32	
99	
83	
244	
13	
78	
111	
255	

HINDI

कक्षा 7

विषय -हिंदी

ग्रीष्मकालीन अवकाश गृह कार्य

*बेटी बचाओ बेटी पढ़ाओ पर आधारित छायाचित्र (Selfie point) (अनुक्रमांक 1-7)

*रामायण के किरदारों की कठपुतलियाँ (अनुक्रमांक 8- 14)

*अपशिष्ट पदार्थ waste material पर मातृ दिवस पर आधारित छोटी - छोटी कविताएँ लिखो।
(अनुक्रमांक 15- 21)

*महिला सशक्तिकरण विषय पर कठपुतलियाँ (अनुक्रमांक 22- 28)

*विश्व पर्यावरण दिवस पर आधारित मॉडल (अनुक्रमांक 29- 35)

*कहानी प्रस्तुतीकरण कठपुतलियों के माध्यम से (अनुक्रमांक 36-41)

नोट:- ऊपर दिए गए विषयों को प्रोजेक्ट ,चार्ट, फ्लैश कार्ड, मॉडल कठपुतलियाँ आदि के रूप में बनाना है और ये सब हिंदी भाषा पर आधारित होने चाहिए।

पाठ 1,2(वसंत भाग 2)

पाठ 1,2,3,4,5.....(बाल महाभारत)

पाठ 1,2.....(व्याकरण लतिका)

लेखन व स्मृति कार्य पूरा करो।