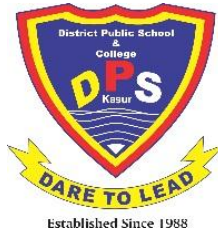


1st Term - 2020



CLASS - IV

Summer Vacation

NOTES + HOME TASK

Math , G.Science



Name: _____ Section _____

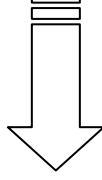
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District Public School & College, Kasur

1st Term -2020

Class 4th

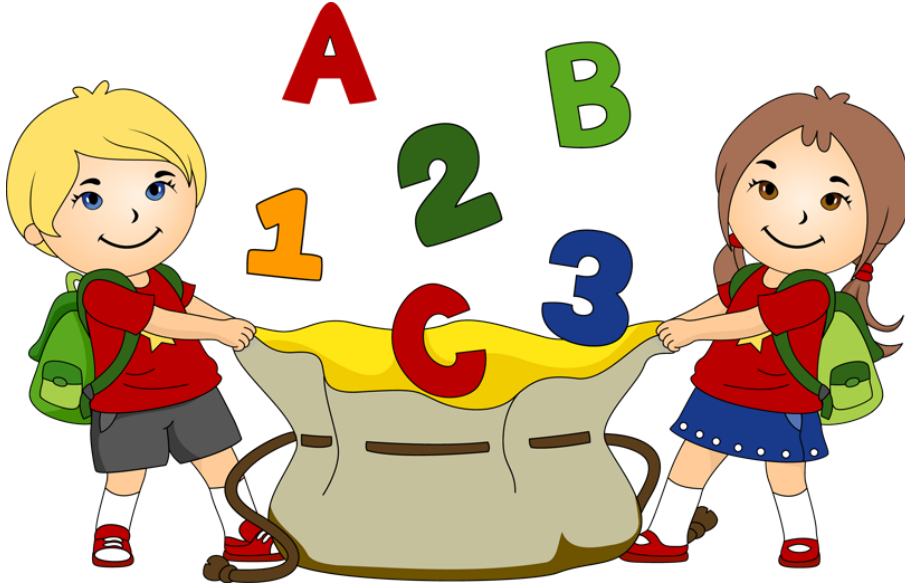
WORK SHEET



Mathematic

1st Term Syllabus

Pg # 1 – Pg # 35 , Tables 1 - 12



نوٹ

یہ ورک شیٹ حتمی نہیں ہے۔ فرسٹ ٹرم کے امتحان کے لیے سلیبس اور درسی کتب کے مطابق تیاری کروائی جائے۔ شکر یہ

Unit 1: Numbers and Arithmetic Operations

Exercise 1(a)

1. Fill in the blanks.

- a) in 49,852,610, the place value of the ringed digit is _____
- b) $5,000,000+200,000+00,000+0000+400+50+9=$ _____
- c) Insert space to express 725895213 international number system
- d) The predecessor of 8,001,001 is _____
- e) The successor of 2,316,999 is _____

2. State whether the following are true or false.

- a) The predecessor of 60,000,000 is 60,000,999 (____)
- b) The successor to 189,561,100 is 189,561,200 (____)
- c) A number at one million place has six zeroes on its right. (____)
- d) Place value is the value of position of a digit in a number (____).
- e) The place value of 6 in 10,682,817 is 600,000 (____)

3. Select the correct answer from the given options.

a) The predecessor of 6,1,15,999 is

- a.6,015,999 b.6,115,989 c.6,115,998 d.6,116,000

b. Eight million, four hundred and ninety thousand in figures is

a. 80,490,000 b. 80,400,9000 c. 804,900,000 d. 8,049,000

c. The successor of 54,962,111 is

a. 55,062,111 b. 64,962,111 c. 54,962,101 d. 54,962,112

d. 8,463,110 written in expanded form is

a. $8+463+110$

b. $800\ 000 + 400\ 000 + 60\ 000 + 3000 + 100 + 10$

c. $800\ 000 + 400 + 60 + 3 + 100 + 10$

d. $800\ 000 + 40\ 000 + 6000 + 300 + 10$

e. The predecessor of 7843002 is

a. 7,843,001 b. 7,834,000 c. 7,835,002 d. 8,834,003

4. Write the given numbers in words.

a). 3,000,000

b). 140,000,000

c). 217,000,000

d) 50,000,000

5. Write in figures with correct spacing.

a) Nine million _____

b) Twenty four million _____

c) Seven hundred and five million _____

d) Ten million 9 hundred _____

6. Write the given numbers in words

a) 1,289,056

b). 27,389,100

c). 613,421,005

d). 497,560

7. Write the place value of the circled digit.

a) 7(8)9, 452,100 _____

b) 25(6),943,100 _____

c) 14,(0)09,838 _____

d) 8624(7)120 _____

8. Write the predecessor of:-

a) 60,129,808 _____ b) 497,215,010 _____

c) 871,600,009 _____ d) 106,343,201 _____

9. Write the successors of :-

a) 146,780,000 _____ b) 59,899,989 _____

c) 917,245,985 _____ d) 106,343,201 _____

10. Write the numbers in expanded form.

a) 7,200,017

b). 83,153,206

c). 917,245,985

d). 164,205,789

11. Fill the blank with >, < or =

a). 6,984,529 6,894,529

b). 45,800,100 45,810,100

c). 359,412,025 359,412,125

d). 6,800,152 6,800,152

e). 100,985,263 99,985,265

12. Write numbers that match the following expanded form.

a) $6,000,000+900,000+20,000+5000+000+20+7$ _____

b) $78,000,000+50,000+7000+600+50+3$ _____

c) $400,000,000+30,000,000+7,000,000+90+6$ _____

13. Arrange the given numbers in ascending order.

a) 45,98,653 ; 45,288,653 ; 45,308,65

A.O= _____

b). 7,011,262;70,111,162 ; 7,002,162

A.O= _____

14. Arrange the given numbers in descending order.

a). 69,245,823 ' 69,645,823 ; 69,045,823

D.O= _____

b). 10,153,215 ; 10,133,125 ; 10,142,215

D.O= _____

Exercise 1 (b)

1. Fill in the blanks.

a) $10,000+6000+900+5$ _____

c) $2400+180+9$ is equal to : -

a) 4290

b) 2409

c) 25 80

d) 2589

d) the difference between 99,999 and 1000 is equal to :-

a) 89,999

b) 80,001

c) 98,999

d) 8000

e) Take away 874,528 from 900,059:-

a) 25,531

b)36,531

c) 174,531

d)1,773,587

4. Add the following.

a) 43 846

b) 753 865

+ 35 017

+169 530

5.. Write vertically and add.

a) $24639 + 10,251$

b. $204,469 + 20,496 + 2460$

6. Write the number which is :-

- a) 200 more than 1,25,000_____.
- b) 1000 more than 200,000_____.
- c) 900 more than 4,60,100_____.
- d) 400 more than 509,600 _____.

7. Subtract the following:-

a) 7 46 389

b) 105 003

- 94 247

- 87 675

8. Write these vertically and subtract.

a) 36,738 – 12, 849

b) 500,000 – 360,824

9. Subtract 100 from each of the following number.

a) 1,46,952 _____

b) 500,000 _____

c) 305,103 _____

d) 810,000 _____

10. Subtract 500 from each of the following number.

a) 385,620 _____ b) 284,320 _____

c) 505,400 _____ d) 69,010 _____

WORD PROBLEMS

✧ **Read the problems carefully. Decide whether you should add or subtract to solve them. Write complete statements.**

1. A factory made 64750 jute bags on Monday and 51,060 more on Tuesday. How many bags were made altogether?

Solution.

2. In an election, Mr. Kamal got 1,56,720 votes and Mrs. Abid got 1,58,986 votes. Who got more votes and how many more?

Solution.

3. A Library has 46,918 books of English and 1,08,625 books of Urdu. What is the total number of books?

Solution.

4. A shopkeeper earned Rs.1,70,920 in one year. If his expenses for the same year were Rs. 129,486, how much money did he save?
Solution.

5. Find the difference between the largest 4-digit number and the smallest 6-digit number.
Solution.

6. A man bought a house for Rs.956,780. He sold it for Rs.120,000 less than of the cost price. How much did he sell the house for?
Solution .

7. A school in the village needs Rs.400,000 for a new building. Mr. Abdul donated Rs.150,000. How much more money must be collected?
Solution.

Exercise 1 (C)

1. Fill in the blanks.

- a) In 3256×928 ; 3256 is called the _____.
- b) The quantity by which the multiplicand is to be multiplied is known as _____.
- c) The number which divides a dividend is called a _____.
- d) $18,400 \div 10 =$ _____
- e) If the dividend is 348 and the divisor is 12 then the remainder is _____.

2. State whether the following true or false.

- a) When 1485 is divided by 6 remainder is zero. (_____)
- b) In $429 \div 8$, the number 429 is dividend. (_____)
- c) If we divide 3696 by 12, the quotient is 308. (_____)
- d) The product of two numbers is 274,800. If one of the numbers is 100, the other number will be 27,480. (_____)
- e) 1008×35 is 350, 280 (_____)

3. Select the correct answer from the given options.

a) The result of multiplication of two numbers is called the:-

- a) Multiplier
- b) sum

5.. Write vertically and multiply.

a) $72,562 \times 169$

b) $34,571 \times 843$

6. Find the product.

a) multiplicand 5829, multiplier 431

7.. Divide the following

a) $28 \overline{)4042}$

b. $39 \overline{)2084}$

8. Write in long divisions form and divide.

a) $4618 \div 29$

b) $4818 \div 35$

9. Divide the following, then multiply to check.

a) Dividend 399, divisor 17

b) Dividend 82, 721 divisor 94

10. Write the quotients in the blanks.

a) $4900 \div 49 =$ _____

b) $6500 \div 10 =$ _____

c.) $8000 \div 20 =$ _____

d) $5100 \div 17 =$ _____

e) $4800 \div 40 =$ _____

f) $8400 \div 12 =$ _____

WORD PROBLEMS

✧ Solve the problems. Writing complete statements.

1. A leaking tap wastes 3750 ml of water in 1 hour. How much water will be wasted in a day?

Solution.

2. Rehan found out that he can save 4726 ml of water every day by not leaving the tap open continuously. during his bath. How much water can be saved in 25 days in this manner?

Solution.

3. There are 1440 minutes in a day. How many minutes are therein 8 weeks?

Solution.

Exercise 1 (d)

1. Fill in the blanks.

a) $4 \times 5 - \underline{\hspace{2cm}} = 12$

b) $9 + 5 - 4 \times 2 = \underline{\hspace{2cm}}$

c) $\underline{\hspace{2cm}} \times 5 \div 5 = 10$

d) $8 + 9 - 6 - 5 = \underline{\hspace{2cm}}$

e) $6 + \underline{\hspace{2cm}} - 8 = 0$

2. State whether the following are true or false.

a) $9 + 1 - 6 = 4$ ()

b) $4 \times 5 - 3 =$ ()

c) $49 \div 7 \div 10 = 17$ ()

d) $54 - x \ 10 \div 5 = 46$ ()

e) $3 \times 2 + 4 - 3 = 9$ (_____)

3. Select the correct answer from the given options.

a) $3 \times 5 + 8$

- a) 16 b) 39 c) 120 d) 23

b) $2 \times 4 + 8 - 9$

- a) 6 b) 9 c) 7 d) 15

c) $10 \div 5 \times 6 + 5$

- a) 35 b) 55 c) 17 d) 22

d) $18 - 4 + 9$

- a) 23 b) 31 c) 5 d) 13

e) $4 + 8 \times 3 - 20$

- a) 16 b) 8 c) 140 d) 56

4. Solve.

a) $524 + 48 - 62$ _____

b) $831 \times 500 \div 100$ _____

c) $91 - 45 - 30$ _____

d) $144 \div 9 \times 4$ _____

5. Solve.

a) $524 + 48 - 62$ _____

b) $100 - 75 \div 5$ _____

c) $70 - 7 \times 10$ _____

d) $28 \div 4 + 24$ _____

6. Solve.

a) $9 \times 5 - 15 + 8$ _____

b) $4 + 9 \div 3 \times 5$ _____

c) $72 + 8 - 4 \times 2$ _____

d) $7 \times 6 - 8 + 15 \div 3$ _____

e) $42 + 8 - 9 \times 5$ _____

f) $36 \times 9 \div 3 + 8$ _____

g) $120 \div 12 \times 3 - 15$ _____

CHAPTER – 2
FACTORS AND MULTIPLES

Exercise 2 (a)

1. Fill in the blanks.

a) A number is divisible by _____ if it has 5 at the unit place.

b) 156 is divisible by _____, _____, and _____ .

- c) If a number has 0 at the unit place, it is divisible by _____, _____ and _____.
- d) If the sum of the digits is divisible by 3, then the number itself is divisible by _____.
- e) All even numbers are divisible by _____.

2. State whether the following are true or fals.

- a) 20,589 is divisible by 3. _____
- b) 160 is divisible by 2. _____
- c) 225 is divisible by 5 and 10 _____
- d) Any number which is divisible by 10 is divisible by 5. _____
- e) 5563 is divisible by 5. _____

3. Select the correct answer from the given options.

a) 6234 is divisible by

- a) 5 b) 2 and 3 c) 2 and 10 d) 2 and 5

b) 4600 is divisible by :-

- a) 5 only b) 2 and 10 c) 2 and 5 d) 2,5 and 10

c).. 525 is divisible by

- a) 5 and 3 b) 2 and 5 c) 5 only d)10

d) a number can be divided by 5 if the digit at the unit place is:-

- a) even b) 5 or 0 c) 5 only d) odd but not 5

e) 5 x 3 is divisible by :-

- a) 5 and 3 b) 5 only c) 3 only d) 2 only.

4. Which of the following numbers are divisible by 2?

- a) 200 b) 126 c) 427 d) 187
c) 134 f) 2032 g) 139 h) 345

5. Which of the following numbers are divisible by 3?

- a) 627 b) 2358 c) 130 d) 3612

6. Which of the following numbers are divisible by 5?

- a) 2900 b) 6954 c) 4085 d) 840,050

7. Which of the following numbers are divisible by 10?

- a) 7281 b) 81,080 c) 10,000 d) 90,005
e) 52,010 f) 40,185 g) 4002 h) 8760

8. Use the rules of divisibility to check whether each given number is divisible by 2,3,5 or 10. Write Yes or No:-

Numbers	Divisibly by			
	2	3	5	10
1872				
53,250				
673,655				
2971				
4720				

Exercise 2 (b)

1. Fill in the blanks .

- a) Composite numbers have more than _____Factors.
- b) Each prime number has exactly _____Factors.
- c) _____is neither prime nor a composite number.
- d) 50 is a _____number.
- e) Every prime number except _____is odd.

2. State whether the following are true or false.

- a) 10 is a prime number . (_____)
- b) 1, 3 and 13 are factors of 13 (_____)
- c) 8 is a composite number because it has four factors. (_____)
- d) 45 is a composite number (_____)
- e) 18 is a prime number because it has two factors only. (_____)

3. Select the correct answer from the given options.

a) The smallest prime number is : -

- a) 6
- b) 1
- c) 2
- d) 3

b) The composite numbers have:-

- a) One factor
- b) more than two factors.
- c). two factors
- d) uncountable factors.

c) the largest prime number less than 30 is :-

- a) 23 b) 21 c) 20 d) 29

d) 47 is :-

- a) a prime number b) a factor of 50
c) an even number d) a composite number

e) 38 is :-

- a) a composite number b) a multiple of 9
c) a prime number d) an odd number

4. Check whether the numbers given in the table below are prime or composite. Write (P) for each prime number and (C) for each composite number.

- | | | | | | |
|---------|----------------------|-------|----------------------|-------|----------------------|
| a) 15 | <input type="text"/> | b) 31 | <input type="text"/> | c) 24 | <input type="text"/> |
| d).. 31 | <input type="text"/> | e) 25 | <input type="text"/> | f) 32 | <input type="text"/> |
| g) 29 | <input type="text"/> | h) 3 | <input type="text"/> | i) 37 | <input type="text"/> |
| j) 17 | <input type="text"/> | k) 45 | <input type="text"/> | l) 11 | <input type="text"/> |
| m) 18 | <input type="text"/> | n)33 | <input type="text"/> | o) 25 | <input type="text"/> |
| p) 54 | <input type="text"/> | q) 35 | <input type="text"/> | r) 83 | <input type="text"/> |
| s) 57 | <input type="text"/> | t) 41 | <input type="text"/> | | |

5. Which of the following are co-prime numbers?

- a) 3 and 5 b) 31 and 62 c) 4 and 9

d) 14 and 25

e) 36 and 49

f) 72 and 55

g) 40 and 4

h) 5 and 10

Exercise 2 (C)

1. Fill in the blanks.

a) _____ is a factor of all numbers.

b) Factors of 6 are _____.

c) 1,2 are factors of _____.

d) The factors of 20 are 1,2,4,5, 10 and _____.

e) 13 is a factor of _____.

2. State whether the following true or false.

a) 7 is a factor of 45. (_____)

b) If a number divides another number completely, then the first number is a factor of the other number. (_____)

c) 6 and 8 have an equal number of factors. (_____)

d) A number is always a factor of itself. (_____)

e) 45 is a factor of 9 (_____)

3. Select the correct answer from the given options.

a) 2^{nd} and 7 are factors of:-

a) 3

b) 7

c) 14

d) 2

b) 10 is not a factor of :-

- a) 32 b) 240 c) 20 d) 60

c).. all possible factors of 50 are :-

- a) 10,5 b)1,2,5,10,25 and 50
c) 1,5,25,50 d) 5,10,50

d)8 is not a factor of :-

- a) 2 b) 8 c) 16 d) 32

e) Which of the following is a factor of every number?

- a) 0 b) 1 c) 2 d) 10

4. Find the factor of following numbers:-

- a) 9 _____
b) 11 _____
c) 24 _____
d) 35 _____
e) 18 _____
f) 21 _____

5.. Write Yes or No.

- a) Is 2 a factor of 36? _____
b) Is 7 a factor of 45? _____
c) Is 6 a factor of 66? _____

d) Is 20 a factor of 100? _____

e) Is 16 a factor of 64? _____

6. Write down the factors of these numbers how many factors does each number have?

a) 25 _____

b) 36 _____

g) 54 _____

h) 32 _____

i) 45 _____

j) 50 _____

Exercise 2 (d)

1. Fill in the blanks.

a) 2, 3 ,5 are prime factors of _____.

b) The prime factors of 41 are 1and _____.

c) There are _____prime factors of 58.

d) The prime factors of 10 are _____and _____.

e) Prime factor can never be a _____ number.

2. State whether the statement true or false.

a) The prime factor of a number divides the number completely. (____)

- b) The prime factors of 100 are 2,3,5,10. (____)
- c) A factor tree is used to find prime factors. (____)
- d) Prime factors of numbers are prime numbers. (____)
- e) 2 is the only prime factor of the number 6. (____)

3. Select the correct answer from the given options.

a) 3,3,3 and 5 are prime factors of :-

- a) 27 b) 45 c) 15 d) 135

b) The prime factors of 110 are :-

- a) 5,11 b) 2,5,11 c) 2,2,5,5 d) 2 and 55

c) The prime factors of 50 are 2,5 and :-

- a) 2 b) 1 c) 5 d) 10

d) The prime factor is always:-

- a) a prime number b) the smallest factor
- c) a composite number d) the biggest factor

e) prime factorization means.

- a) dividing the number into two parts
- b) finding the product of the number.
- c) multiplying the number with prime numbers.
- d) breaking a number into prime factors.

4. Draw factor trees to show the prime factors of the given numbers.

a) 15

b) 20

c) 14

d) 8

e) 21

f) 16

g) 42

h) 30

4. Draw as many different factor trees as you can to show prime factors of these numbers.

a) 40

i)

ii)

iii)

b) 60

i)

ii)

iii)

c) 24

i)

ii)

iii)

d) 72

i)

ii)

iii)

iv)

5. Find the prime factors of these numbers using the division method.

a) 84

b) 117

c) 333

d) 126

e) 520

f) 99

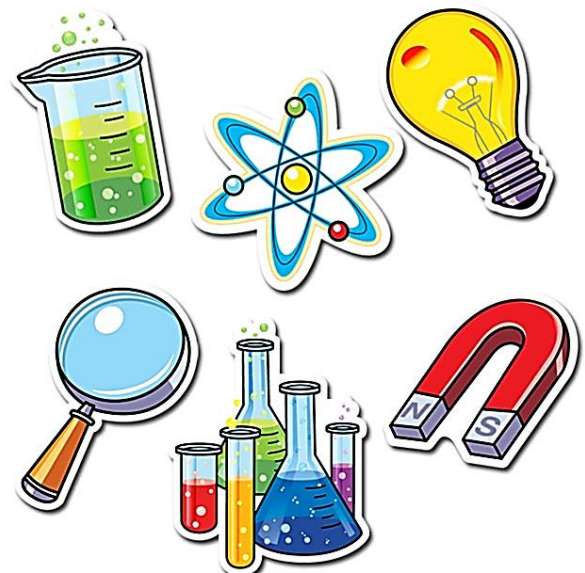
Class 4th

-

1st Term 2020

NOTES + WORKSHEET

G. SCIENCE



NOTES G. SCIENCE CLASS 4TH

Unit # 1.

The Human Body

Q#1:- What are the main functions of skeleton?

Ans:- The main functions of skeleton are

- 1- It gives strength and support to the body
- 2- It gives shape to the body.
- 3- It allows us to stand and move
- 4- It protects internal organs of body.

Q#2a- What is joint? Which two types of joints have been discussed in this unit? Where is each of them found in the body.

Ans:- A joint is a place in a body where two or more bones meet.

The two types of joints are

- 1- Ball and socket joint.
- 2- Hinge joint.

Ball and socket joint is found in shoulder and hip.

Hinge joint is found in elbow and knee.

Q#2 b. Write any one activity you can perform with the help of these joints?

Ans:- We can walk with the help of these joints.

Q#3:- Differentiate between voluntary and involuntary muscles and give an example of each.

Ans:- Voluntary muscles:-

The muscles which are under our control are called voluntary muscles. For example skeletal muscles.

Involuntary muscles:-

The muscles which are not under our control are called involuntary muscles. They do their work automatically. For example cardiac and smooth muscles.

Q#4:- How many types of muscles are there. Describe each of them with an examples?

Ans:- There are three types of muscles.

1. Smooth muscles:-

Smooth muscles make up the internal hollow organs of the body. For example muscles of stomach and intestine.

2. Cardiac muscles:-

The muscles which make up the heart are called cardiac muscles. For example heart muscles.

3. Skeletal muscles:-

The muscles which joined to the bones are called skeletal muscles. For example muscles of arms and legs.

Q#5 Suggest any two ways to take good care of muscles and bones?

Ans:- Two ways to take good care of muscles and bones are

1. Eating right kind of food.
2. Doing plenty of exercise.

Exercise unit #1 (answers)

1. Choose the correct answers

i. c ii. b iii. c iv. d v. d.

2. Fill in the blanks

i. tissue ii. cardiac iii) joint.

iv. ligament v) hinge vi) ball and socket

vii) smooth viii) skeletal ix. smooth

3. Matching .

i. b ii. d iii. a iv. e v. c

Unit #2.

Food and Balanced Diet

Q#1:- Why do we need food?

Ans:- We need food to get energy.

Q#2:- What do proteins do for the body?

Ans:- Proteins give energy to the body. They help our body to build up and repair tissues and muscles. They help the body to grow.

Q#3. Why does the body need carbohydrates

Ans:- The body needs carbohydrates because they give us energy.

Q#4:- How do dietary fibres help in digestion?

Ans:- Dietary fibre helps to move waste through the digestive system.

Q#5:- In what ways are vitamins good for the body?

Ans:- Vitamins keep bones and skin healthy. They help eyesight, give energy and prevent infections.

T

Q#6:- What do we mean by a balanced diet?

Ans:- A balanced diet means eating the right variety of foods in the right amounts.

Q#7:- How much water is needed by the body every day? Does this mean we have to drink that amount?

Ans:- The body needs six to eight glasses of water every day.

We have to drink plenty of water. We also get water from fruits and vegetables.

Exercise unit #2. (Answers)

Q1:- Choose correct answers

i. b ii. a iii. c iv. v. c

Q2. Find odd one out.

i. jam, not a dairy product ii. carrot, a root
iii. sugarcane, stem iv. onion, a bulb v. wood, not food

Q3. Put two words in each column.

Protein	carbohydrates	Fats	vitamins
egg	cereals	butter	sunshine
nuts.	carrot	chocolate	lemon.

Q4. Frying :- nuggets, kabab, samosa
baking :- cake, biscuits, pizza (6)

Unit #3.

Digestion.

Q#1:- Name four types of teeth?

Ans:- 1) Incisors 2) Canine 3) Molars
4) Premolars.

Q#2:- What are intestines and what are their functions.

Ans:- Intestines are tubes that carry food from stomach to anus.

Function of intestine:-

Digested food is absorbed from walls of small intestine and water is absorbed from walls of large intestine.

Q#3:- What is Saliva. How does it help digestion?

Ans:- Saliva is a liquid produced by salivary glands in mouth.

It starts the digestion of carbohydrates in mouth.

Q#4:- What does the liver do?

Ans:- The liver has many functions.

- 1) It helps to filter the blood
- 2) It stores food energy
- 3) It produces a digestive juice called bile.

Q#5:- How do the nutrients from food get to the different parts of the body?

Ans:- Digested food nutrients pass from the walls of intestine to blood. Blood provides these nutrients to every cell of the body.

Q#6:- What is bile? Where in the body is it produced and stored?

Ans

Ans:- Bile is a digestive juice.

The bile is produced in the liver and stored in the gall bladder.

Q#7:- Which foods are easier to digest. Make a list of food you think are easy to digest and those which are not.

Ans:- Carbohydrates are easier to digest.

Foods easy to digest:-

- 1- grains
- 2- rice
- 3- flour
- 4- potato
- 5- spaghetti

Food not easy to digest.

1 oil

2 sweets

3 beef

4 mutton.

Exercise unit #3.

1- Choose the correct option.

i-d ii-c iii-a iv-b v-d

2. Match the following.

i-b ii-d iii-e iv-c v-f vi-a.

3. Fill in the blanks.

i- Saliva ii- acid iii- water, faeces

iv- bile v- tongue vi- Liver, gall bladder

vii- starches.

4- Mark these sentences with

'✓' or 'X'

i- ✓ ii- X iii- X

iv- ✓ v- X

Unit # 4

Characteristics of living things.

Q#1. Give two examples of how plants and animals rely on each other?

Ans:- 1. Plants provide food and oxygen to animals.
2. Animals provide carbon dioxide and manure to plants.

Q#2. What is the function of vacuole?

Ans:- The function of a vacuole is to store food, water and waste substances.

Q#3. Do plants respire?

Ans:- Yes, plants respire.

Q#4. What things do plants need to make their own food? What do they use the food for?

Ans:- Plants need water, carbon dioxide and sunlight to make their own food.

They use the food to get energy and grow.

Q#5. Where do animals get energy from?

Ans:- Animals get energy from food.

Food not easy to digest.

1 oil

2 Sweets

3 beef

4 mutton

Exercise unit #3.

1. Choose the correct option.

i-d ii-c iii-a iv-b v-d

2. Match the following.

i-b ii-d iii-e iv-c v-f vi-a

3. Fill in the blanks.

i- Saliva ii- acid iii- water, faeces

iv- bile v- tongue vi- Liver, gall bladder

vii- starches.

4. Mark these sentences with

'✓' or 'X'

i- ✓ ii- X iii- X

iv- ✓ v- X

Q#6:- How long does it take a newborn calf to get up and walk?

Ans:- A newborn calf takes thirty minutes to get up and walk.

Q#7:- What are the stages in life cycle of a cockroach?

Ans:- There are three stages in the life cycle of cockroach.

1- egg. 2- nymph 3- adult.

Q#8:- Explain how you know that humans are a different species to other animals?

Ans:- Humans are a different species to other animals due to lots of variation in body organs and due to wisdom.

Exercise Unit #31 (Answers)

1. Choose the correct option -

i-c ii-c iii-b iv-b v-a.

2. Fill in the blanks.

i- oxygen, carbon-di-oxide ii- food.

iii- a- eat b- respire c- excrete

d- have sensitivity e- move f- grow

g- reproduce

iv- depend v- oxygen.

3- Mark these sentences with '✓' or 'X'

i- X ii- ✓ iii- ✓ iv- X v- X.

4- Find one word for each sentence.

i- oxygen ii- locomotion iii- excretion

iv- spawn v- fry.

Activities

Unit # 1 - Draw a skeleton and label the bones.

Unit # 2:- Take a chart paper and draw food pyramid on it.

Unit # 3: a) Complete these incomplete words (Using vowels)

i) B _ CT _ R _ _

ii) P L _ Q _ _ iii) F _ LL _ NG _

iv) T _ TH v) C _ N _ N _

vi) _ NT _ ST _ N _

vii) P _ NCR _ _ S

viii) K _ DN _ X

ix) V _ T _ M _ NS

x) M _ N _ R _ L

b) - Unscramble these words to make real names.

i. CHUNL _____

ii. FASTKREAB _____

iii. ERDNIN. _____

iv. EASFT _____

Unit #4.

Draw and label the life cycles of butterfly, fish and frog.

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Labelings:-

1. The digestive system . pg #23.
2. Types of teeth . pg #21
3. Life cycle of flowering plants pg #38

G. SCIENCE WORK SHEET

CLASS 4TH

UNIT # 1 THE HUMAN BODY

1. Choose the correct answer.

- i. Which kind of tissue gives shape to the organs and holds them in place.
a) Connective b) heart c) muscular d) cardiac
- ii. Cardiac muscles make up which organ?
a) Lungs b) heart c) eyes d) liver
- iii. What are the muscles that perform their jobs without you even thinking about them called.
a) Voluntary muscle b) biceps
c) involuntary muscles d) skeletal muscles.
- iv. What makes our bones strong.
a) Exercise b) calcium rich food c) milk d) all of them
- v. The smallest bone of the body is in the
a) Eye b) heart c) nose d) ear

2. Fill in the blanks.

- i. Bone is an example of a _____.
- ii. _____ muscles contract and relax when pumping blood around the body.
- iii. _____'s body where two or more bones meet is a _____.
- iv. The tissue that joins two bones together is known as _____.

- v. The joint which moves apart of our body in one direction only is known as a _____ joint.
- vi. The joint that can move apart of our body in a circular direction is known as a _____ joint.
- vii. The stomach is an example of a _____ muscles.
- viii. The muscular system works with the _____ system to help you move.
- ix. _____ muscles make up the internal hollow organs in the body.

3. Match the definitions in column "A" with terms in column "B"

	Column A	Column B
1	a tissue that holds two or more bones together at a movable joint	a. organ
2	the framework of bones in a vertebrate's body	b. ligament
3	a group of tissues performing a specific function	c. cell
4	a thick sheet of tissues that attaches a muscle to a bone	d. Skeleton
5	the building unit of all living things	e. tendon

ACTIVITY :-

Draw a diagram of skeleton and label the bones in it.

✧ **Answer these short questions.**

1. What is joints?

Ans: _____

2. Write any one activity you can perform with the help of joints?

Ans: _____

UNIT # - 2
FOOD AND BALANCED DIET

1. Choose the correct option.

i. Dietary fiber can be found in

- a) Milk b) wheat c) eggs d) salt

ii. Which of these foods is a good source of carbohydrates

- a) Bread b) vitamin B c) meat d) yogurt

iii. This vitamin is made by the skin in sunlight

- a) Vitamin A b) vitamin B c) vitamin C d) vitamin D

iv. Which food is a good source of protein and calcium?

- a) Cheese b) fish c) bread d) apple

v. Which of these we should eat very little of ?

- a) Eggs b) fruits c) sweets d) vegetables

2. Find the odd one out in each of the following.

i. Milk, curd, cheese, jam, butter.

The odd one out is _____ because it is _____

ii. Cucumber, peas, carrot, lettuce, spinach

The odd one out is _____ because it is _____.

iii. Sugarcane, banana, apple grape, guava

The odd one out is _____ because it is _____.

iv. Pistachio, cashew nut, walnut, onion, almond

The odd one out is _____ because it is _____.

v. Protein, mineral, wood, fat, vitamin.

The odd one out is _____ because it is _____.

3. Put two words in each column

Eggs	butter	sunshine	carrot	lemon
Nut		cereals		chocolate

Proteins	Carbohydrates	Fats	Vitamins

4. Complete this table

Method of cooking	Dishes prepare by this method
Frying	
Baking	

Activity: -

Take a chart paper and draw food pyramid on it.

5. Answer these short questions.

1. Why do we need food.

Ans: _____

2. Why does the body needs carbohydrates?

Ans: _____

Unit # 3 Digestion

1. Choose the correct option.

- i. Which teeth are used for biting into food.
a) Molar b) premolar c) canine d) incisors
- ii. The undigested food passes out through the
a) Intestine b) stomach c) anus d) pancreas
- iii. What is stored in the gall bladder
a) Bile b) saline c) glucose d) water
- iv. Where do the nutrients go after they pass through the intestinal walls.
a) Into tissues b) into blood vessels

b) Into kidneys d) into stomach

v. Which of the following are facts about the liver?

a) It helps filter the blood

b) It stores food energy

c) It is the largest organ

d) All of above.

2. Match the following

Column A	Column B
i. Salvia	a. Produces digestive juices that break down fats.
ii. Liver	b. a fluid that help with digestion
iii. Intestine	c. it stores bile
iv. Gall bladder	d. produces bile
v. Stomach	e. a long tube in the digestive system
vi. Pancreas	f. stores food for several hours

3. Fill in the blanks.

i. _____ in the mouth helps to soften food.

ii. The stomach produces _____ which kills the bacteria in food.

iii. The large intestine absorbs the _____ from the waste and sends the solid part of it out of the body as _____.

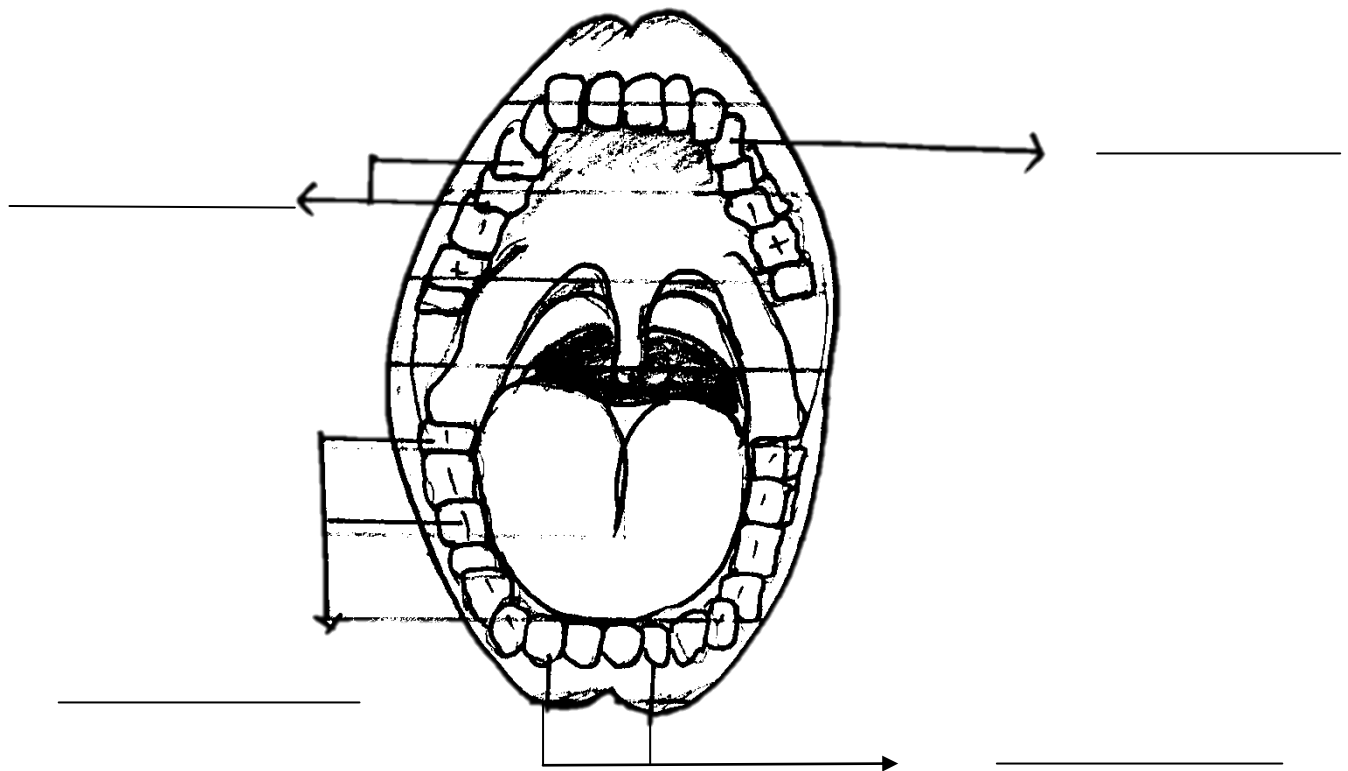
iv. The liver produces a digestive juice called _____.

- v. The _____ helps to mix the food with saliva.
- vi. Bile is produced by the _____ and stored in the _____.
- vii. Saliva softens the food and starts the digestion of _____.

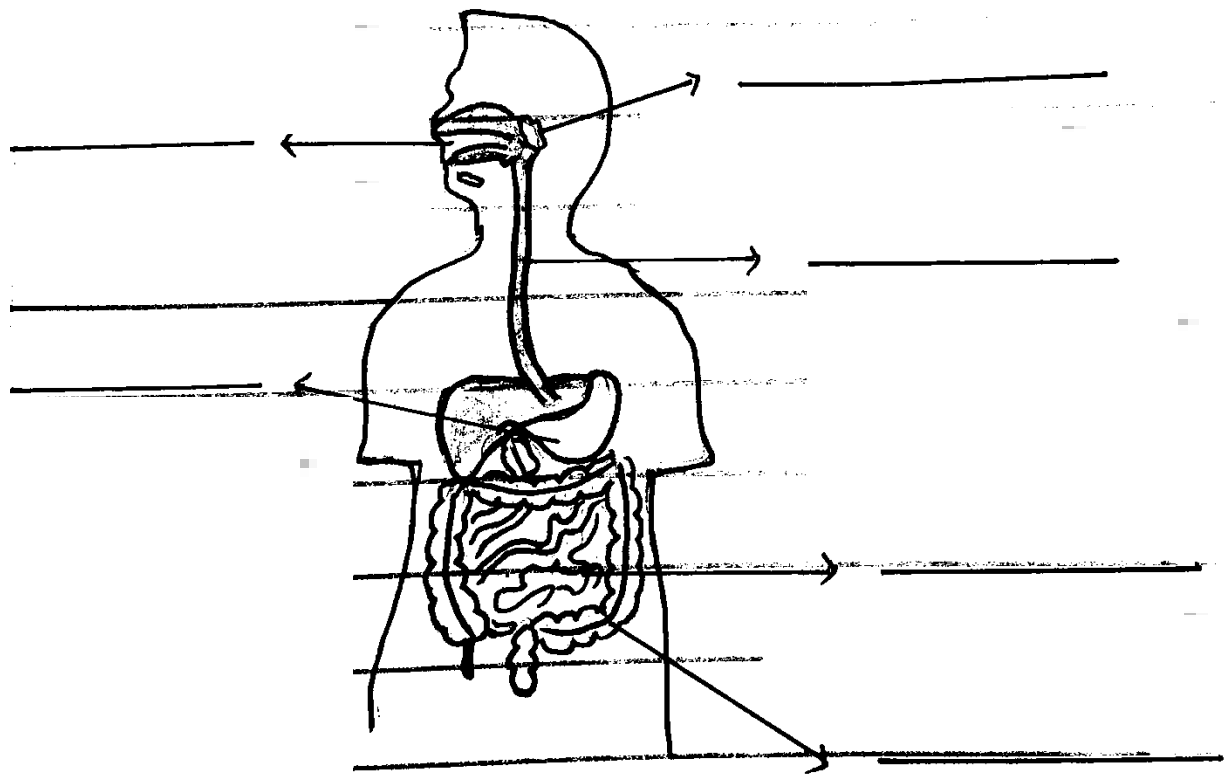
4. Mark these sentences with (✓) or X.

- i. The teeth which cut food _____ are incisors. _____
- ii. There are salivary glands _____ in the teeth. _____
- iii. Food enters the stomach _____ through the small intestine. _____
- iv. The liver is bigger than _____ pancreas. _____
- v. It is better for the _____ digestion if one stands while eating. _____

5. Label the diagram.



Types of teeth



The digestive system

Activity:

a. Complete these incomplete words.

- 1.. B__CT__T__
- 2.. PL__Q__
- 3.. F__LL__NG
- 4.. T__TH
5. C__N__N__
- 6.. __NT__ST__N__
- 8.. K__DN__Y
- 9.. V__T__M__NS
10. M__N__R__L

B. unscramble these words to make meal names.

1. CHUNL
2. FASTKREAB

3. ERNDIN

4. EASFT

✧ **Answer these short questions.**

1. Name four types of teeth?

Ans: _____

2. What is bile?

Ans: _____

UNIT # 4
Characteristics of living things

✧ **Choose the correct answer.**

i. Another word for movement is :-

a) Respiration b. growth c. locomotion d. sensitivity

ii. We need to look after plants and animals because

- a) They are cute
- b) They cannot look after them selves
- c) We depend on each other for life.
- d) It is a nice thing to do.

iii. What hatches from the egg of grasshopper.

a) Alarva b) a nymph c) fly d) an adult grasshopper

iv. The egg of butterfly hatches into a .

- a) Tadpole b) larva c) fry d) nymph

v. What grows from a seed when it germinates?

- a) Roots b) flowers c) fruits d) pods.

2.. Fill in the blanks.

i. humans and other animals take in _____and breathe out _____.

ii. Plants make their own _____by a process called photosynthesis.

iii. All living things do the following:-

- a. e _____
- b. r _____
- c. e _____
- d. h _____
- e. m _____
- f. g _____
- g. r _____

iv. Plants and animals _____ on each other.

v.. Plants produce _____which is in the air we breathe in.

3. Mark these sentences with (✓) or 'X'

- i. Plants never move _____
- ii. Only plants cell have chloroplast _____.
- iii. All living things grow _____
- iv. All life cycles have three stages _____
- v.. Frogs eggs are called fry _____
- vi. Humans inherit all their characteristics from only one parent._____

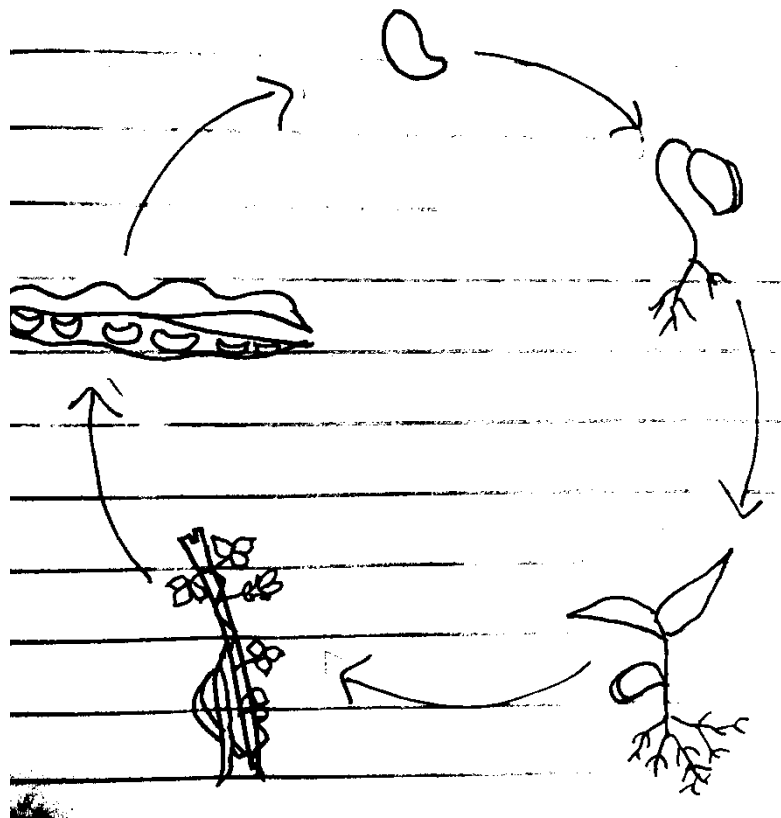
4.. Find out one word for each sentence.

- i. The gas that we need to breathe _____
- ii. Another word for movement_____
- iii. The word for the process of getting rid of waste products._____
- iv. The word for frog eggs_____
- v. A young fish _____

Activity :-

Draw and label the life cycles of butterfly, fish and frog.

Q.7. Label the diagram



Life cycle of flowering plant

Answer these short questions.

1. Do plants respire?

Ans: _____

2. Where do animals get energy from ?

Ans: _____

3. How long does it take to new born calf to get up and walk.

Ans: _____
