

WORKSHEET-52
SUBJECT – MATHEMATICS
CLASS – IX
CHAPTER-14
(STATISTICS)
INTRODUCTION
SESSION - (2020-21)

Instructions to be followed: -

- 1: -From now onwards students do your worksheets in your particular subject notebook respectively. Don't use rough sheets, old copies or anything else. All the stationary shops have already opened. So, you can purchase it.
 - 2: - All the students must complete their worksheets as Periodic test marks will be given to those who completes it else you will have to go through pen paper test after the school reopens.
 - 3: - Read each and every topic (which will be given in worksheets) of the chapters from NCERT books.
 - 4: - All the students must purchase NCERT books as it will help you to understand the chapter.
 - 5: - If you have any query related to worksheet, ask your queries in WhatsApp group between 8:00 am to 3:00 pm.
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What is Statistics?

It is the collection of data and representation of it in a meaningful way.

What is Data?

Data are the collection of numbers or words or measurements or just descriptions of things.

Types of Data?

1. Primary Data: - Data obtained by yourself.
Example: - getting data of weight of your friends by asking each of them personally.
2. Secondary Data: - Data collected from a source.
Example: - TV news, Newspaper, Internet data.

RANGE

It is the difference between highest and lowest value.

$$\text{Range} = \text{Highest value} - \text{Lowest value}$$

CLASS MARK

It's the mid value of a class interval.

$$\text{Class Mark} = (\text{Lower Class Limit} + \text{Upper Class Limit})/2$$

BAR GRAPHS

Bar graph is the pictorial representation of data with bars of uniform width and equal spacing between them.

HISTOGRAM

It's a pictorial representation like bar graphs but it is used for continuous class interval.

1. Find the range of the data 12,25,15,18,17,20,22,6,16,11,8,19,10,30,20,32
2. In the class intervals 10-20, 20-30, the number 20 is included in which class interval.
3. Find the class mark of the class interval 100-120.
4. In a frequency distribution, the mid-value of a class is 10 and width of each class is 6. Find the lower limit of the class.
5. Let 'm' be in the midpoint and 'u' be the upper class limit of a class in a continuous frequency distribution. Find the lower class limit of the class.

For Solutions: <https://www.topperlearning.com/r-s-aggarwal-and-v-aggarwal-solutions/cbse-class-9-mathematics/r-s-aggarwal-and-v-aggarwal-mathematics-ix/presentation-of-data-in-tabular-form>

HARI VIDYA BHAWAN
SUBJECT- SOCIAL SCIENCE
CLASS – IX
SESSION – 2020 – 21
WORK SHEET - 52

Date –01-12-2020

General Instructions: -

- From now onwards students do your worksheet in your particular subject notebook respectively.
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Chapter 3: Constitutional Design

Short Answer Questions:

1. What is constitution? Explain the role of constitution in a country?
2. Why do we need constitution?
3. Explain any five major ideals enshrined in the preamble to the constitution?
4. How were the non-whites treated in South Africa?

हरि विद्या भवन

विषय - हिंदी

सामान्य निर्देश

- * प्रस्तुत कार्य अपनी हिंदी साहित्य की पुस्तिका में कीजिए। किसी अन्य पुस्तिका में किया गया कार्य स्वीकार नहीं किया जायेगा।
- * सभी विद्यार्थियों को परीक्षा हेतु यह कार्य करना अनिवार्य है।
- * वर्कशीट में दिए गए पाठ और कविता को ध्यानपूर्वक पढ़ें।
- * वर्कशीट से सम्बंधित समस्या पूछने के लिए आप अपने कक्षा ग्रुप पर सुबह 8 बजे से 3 बजे तक मैसेज कर सकते।

हरि विद्या भवन

कक्षा - दसवीं

विषय - हिंदी

वर्कशीट - 55

दिनांक :- 1|12|20

पुस्तक :- स्पर्श

पाठ :- तताँरा वामीरो

लेखक :- लीलाधर मंडलोई

प्रस्तुत प्रश्नो के उत्तर दीजिए

- प्र01) तताँरा वामीरो की कथा कहाँ की है ?
- प्र02) वामीरो अपना गाना क्यों भूल गई ?
- प्र03) तताँरा ने वामीरो से क्या याचना की ?
- प्र04) तताँरा वामीरो की गांव की क्या रीती थी ?
- प्र05) क्रोध में तताँरा ने क्या किया ?

- प्र06) निकोबार द्वीपसमूह के विभक्त होने के बारे में निकोबारियों का क्या विश्वास था ?
- प्र07) वामीरो से मिलने के बाद तताँरा के जीवन में क्या परिवर्तन आया ?
- प्र08) निकोबार के लोग तताँरा को क्यों पसंद करते थे ?

https://youtu.be/_fiJ51st7w4

HARI VIDYA BHAWAN

Worksheet-55

Class-X

Subject-Science

Session-2020-21

Ch-9: Heredity and Evolution (Practice Questions)

Date: 1/12/2020

Instructions to be followed :-

- 1:- From now onwards students do your worksheet in your particular subject notebook respectively. Don't use rough sheets, old copies or anything else. All the stationary shops have already opened. So, you can purchase it.
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Multiple Choice Question:-

Q.1 If a normal cell of human body contains 46 pairs of chromosomes then the numbers of

chromosomes in a sex cell of a human being is most likely to be:

- (a) 60
- (b) 23
- (c) 22

(d) 40

Q.2 A cross between a tall plant (TT) and short plant (tt) resulted in progeny that were all tall plants as:

- (a) Tallness is the dominant trait
- (b) Shortness is the dominant trait
- (c) Tallness is the recessive trait
- (d) Height of plant is not governed by gene t or t

Q.3 The process where characteristics are transmitted from parent to offsprings is called:

- (a) Variation
- (b) Heredity
- (c) Gene
- (d) Allele

Q.4 _____ is the observable set of characteristics of an organism

- (a) Phenotype
- (b) Genes
- (c) DNA
- (d) All of the above

Q.5 Which section of DNA provides information for one protein

- (a) Nucleus
- (b) Chromosomes
- (c) Trait
- (d) Gene

Q.6 . Two pink coloured flowers on crossing resulted in 1 and 2 pink and 1 white flower progeny. The nature of cross will be :

- (a) Double fertilization
- (b) Self pollination

- (c) Cross pollination
- (d) No fertilization

Short Answer Type Question: -

Q.7 Define a gene.

Q.8 Distinguish between acquired and inherited traits by giving one example of each.

Q.9 With the help of a flow chart explain in brief how the sex of a newborn is genetically determined in human beings. Which of the two parents, the mother or the father, is responsible for determination of sex of a child?

Q. 10 A blue colour flower plant denoted by BB is cross bred with that of white colour flower plant denoted by bb.

- (a) State the colour of flower you would expect in their F_1 generation plants.
- (b) What must be the percentage of white flower plants in F_2 generation if flowers of F_1 plants are self-pollinated?
- (c) State the expected ratio of the genotypes BB and Bb in the F_2 progeny.

Note –

- This worksheet is for your self assessment. To solve the above questions read all the notes of chapter 9 and try to answer them.
- All the practice worksheets have to be done in same notebook wherever you are writing notes.