



MATHS

BOOKS - NAVNEET PUBLICATION

STATISTICS

Question Bank

1. The number of pages in a book Ninad read for five consecutive days were 60, 50, 54, 46,

50. Find the average number of pages he read everyday.



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2. The weights (in kg) of 10 boys from a team are recorded as follows :

55, 53, 48, 47, 54, 49, 64, 45, 55, 50. Find their mean weight.



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3. The following table shows the electricity (in units) used by 25 families of Eklara village in a month of May. Complete the table and answer the following question :



State the score, the frequency of which is 5.

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4. The following table shows the electricity (in units) used by 25 families of Eklara village in a

month of May. Complete the table and answer the following question :



Find N, and $\sum f_i x_i$



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5. The following table shows the electricity (in units) used by 25 families of Eklara village in a month of May. Complete the table and answer the following question :



Find the mean of electricity used by each family in the month of May.



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6. The number of the members in the 40 families in Bhilar are as follows :

1, 6, 5, 4, 3, 2, 7, 2, 3, 4, 5, 6, 4, 6, 2, 3, 2, 1, 4, 5, 6,
7, 3, 4, 5, 2, 4, 3, 2, 3, 5, 5, 4, 6, 2, 3, 5, 6, 4, 2.

Prepare a frequency table and find the mean of members of 40 families.



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7. The number of Science and Mathematics project submitted by Model high school Nandpur in last 20 years at the state level science exhibition is :

2, 3, 4, 1, 2, 3, 1, 5, 4, 2, 3, 1, 3, 5, 4, 3, 2, 2, 3, 2.

Prepare a frequency table and find the mean of the data.



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8. Observe the following graph and answer the question :



State the type of the graph.

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9. Observe the following graph and answer the question :



How much is the saving of Vaishali in the month of April ?



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10. Observe the following graph and answer the question :



How much is the total of savings of Saroj in the months March or April ?



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11. Observe the following graph and answer the question :



How much more is the total savings of Savita than the total savings of Megha?



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12. Observe the following graph and answer the question :



Whose savings in the month of April is the least ?



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13. The number of boys and girls, in Std. 5 to Std. 8 in a Z. P. school given in the table. Draw a subdivided bar graph to show the data.
(Scale : On axis, 1 cm = 10 students)



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14. In the following table number of saplintered in the years 2016 and 2017 in four towns is given. Show the data with the help of subdivided bar graph.

Town \ Year	Karjat	Wadgaon	Shivapur	Khandala
2016	150	250	200	100
2017	200	300	250	150



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15. In the following table , data of the transport means used by students in 8th standard to commute from home to school is

given. Draw a subdivided bar diagram to show the data.

(Scale : On Y axis : 1 cm = 500 students)



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16. Show the following information by a percentage bar graph.



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17. Observe the following graph and answer the question :

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width="80%">

State the type of the bar graph.



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18. Observe the following graph and answer the question :

` (##NAV_MAT_VIII_P02_C11_E03_003_Q01.png"
width="80%">

How much percent is the Tur production to total production in Ajita's farm?



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19. Observe the following graph and answer the question :

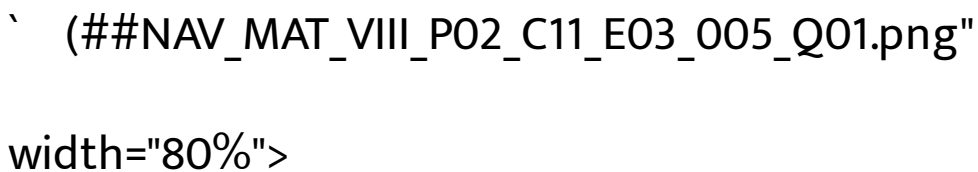
`` (##NAV_MAT_VIII_P02_C11_E03_004_Q01.png" width="80%">`

compare the production of Gram in the farms of Yash and Ravi and state whose percentage of production is more and by how much ?



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20. Observe the following graph and answer the question :



Whose percentage production of Tur is the least ?



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21. Observe the following graph and answer the question :

`` (##NAV_MAT_VIII_P02_C11_E03_006_Q01.png" width="80%">`

State production percentages of Tur and gram in Sudha's farm.



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22. The following data is collected in a survey of some students of 10th standard from some

schools. Draw the percentage bar graph of the data.



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23. What is the mean of 1, 2, 3, 4, 5, 6, 7 ?

A. 3

B. 4

C. 5

D. 6

Answer: B



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24. What is the mean of 1, 3, 5, 7, 9, 11, 13?

A. 3

B. 5

C. 7

D. 9

Answer: C



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25. If the mean of 10 observations is 12, what is their sum?

A. 120

B. 1.2

C. 12

D. 60

Answer: A



26. What is the mean of the first four prime numbers?

A. 3.5

B. 7

C. 5

D. 4.25

Answer: D



27. If the mean of 3, 7, 11 and x is 9, what is the value of x ?

A. 9

B. 11

C. 13

D. 15

Answer: D



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28. The sides of two squares are 2 cm and 5 cm respectively. What is their mean perimeter?

A. 7 cm

B. 14 cm

C. 8 cm

D. 11 cm

Answer: B



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29. Find the mean of the following data :

40, 50, 65, 70, 75



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30. Find the mean of the following data :

Goals scored in 10 matches :

2, 2, 3, 5, 4, 2, 1, 3, 3, 4, 3



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31. Find the mean of the following data :

76, 68, 84, 69, 78.



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32. The marks scored by 20 students in a Science test (30 marks) are given below :

8, 7, 12, 17, 20, 11, 16, 21, 28, 25, 27, 18, 20, 19, 7, 29,
16, 15, 20, 27.

Using the data answer the following questions

:

How many students scored the lowest marks?



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33. The marks scored by 20 students in a Science test (30 marks) are given below :

8, 7, 12, 17, 20, 11, 16, 21, 28, 25, 27, 18, 20, 19, 7, 29,
16, 15, 20, 27.

Using the data answer the following questions

:

How many students scored 20 marks?



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34. The marks scored by 20 students in a Science test (30 marks) are given below :

8, 7, 12, 17, 20, 11, 16, 21, 28, 25, 27, 18, 20, 19, 7, 29,
16, 15, 20, 27.

Using the data answer the following questions
:

What is the frequency of score 27?



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35. The marks scored by 20 students in a Science test (30 marks) are given below :

8, 7, 12, 17, 20, 11, 16, 21, 28, 25, 27, 18, 20, 19, 7, 29,
16, 15, 20, 27.


Using the data answer the following questions
:

How many students scored more than 20 marks?



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36. Observe the given frequency table and write the answers to the following questions :

 About how many families does the table give data?

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37. If the mean of the following observations is 39, find the value of x . 29, 48, x , 51, $x - 3$.

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38. The frequency distribution table is given below. Complete the column $f_i \times x_i$ and find the mean score



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39. Complete the following table and find the mean number of children in a family.



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40. students donated books to a school. The information is given in the following table. Fill in the blank and find the mean number of book donated by each students.



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41. The money (in ₹) earned by each of 24 scouts is given below :

6, 7, 8, 9, 6, 7, 8, 7, 6, 9, 7, 8 6, 7, 9, 6, 8, 7, 6, 7, 8, 6,

7, 9.

Make a frequency table for this information and find the mean of earning.



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