

Lideta catholic cathedral school

Grade 5 Mathematics worksheet

Greeting students and parents. This worksheet covers *Unit Four-Data Handling* page 73-83 and the Amharic part is in the range of 92-110. Thus try to read and understand it before you do this worksheet. You have to complete the worksheet from April 27-May 8/2020

- data handling deals with collection, representation and interpretation of numerical facts.
- We can collect data from fieldworks, laboratories, internets, statistics offices, schools and so on.
- After the data have been collected, it should be represented in the form of tables, bar graphs, line graphs, pie charts etc...
- Bar graphs should have
 - a) title
 - b) label on horizontal and vertical axes
 - c) number of bars with equal width equally spaced between them

The following data is collected from grade 5A students' mathematics test result out of 20 questions. Based on the data answer the questions 1 to 8

18 17 15 16 14 18 19 19 17 15 12 13 13 20 14 15
14 12 13 14 16 17 18 14 11 12 14 13 14 17 19 12
20 12 20 16 17 19 18 17 17 16 14 15 14 11 19 14

1. what is the total number of students in grade 5A?
2. How many students scored above 17?
3. How many students scored 100%?
4. By how many marks top scorers' mark is greater than low scorers'?
5. Which mark is scored by few students?
6. Which mark is scored more repeatedly?
7. Prepare the table showing marks and number of student.

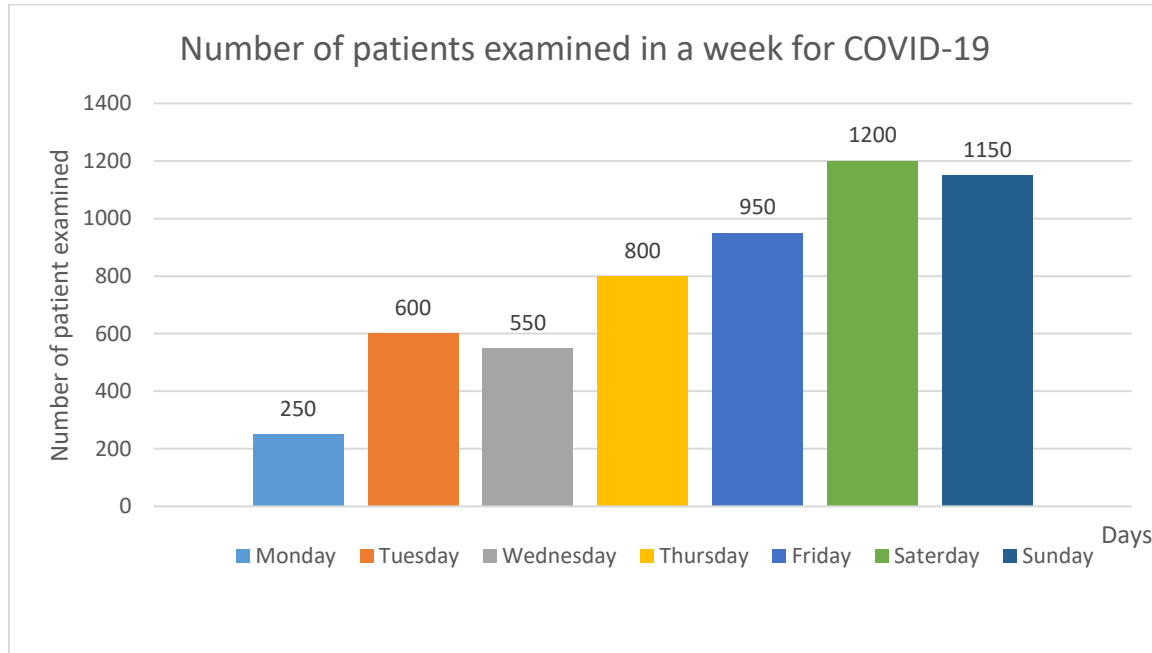
Marks										
Number of students										

8. Prepare the bar graph showing the above data?

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The following bar graph shows the number of patients examined for the identification of COVID-19. [Thanks God!! Most of them are free of the virus. Continue to take care of you and your family members]. Based on the bar graph answer questions 9-15. [the data is an assumption]



9. When large number of students are examined in Ethiopia?

10. How many patients are examined on the first three days?

12. For how many days the data was collected in this report?

13. In which days number of examination was greater than thousands?

14. What is the total number of patients examined in the week?

15. Is the capacity of the country in the activity of examination for COVID – 19 increasing or decreasing? Can you reason out why? [ask your elder]

- **Average is the sum of the values divided by the number of the values.**
Average is also called mean of data.

Example The ages of five boys in the study group are 10, 11, 12, 10, and 12. What is the average age of the group?

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solution

$$\begin{aligned}\text{average} &= \frac{\text{sum of values}}{\text{number of values}} \\ &= \frac{10 + 11 + 12 + 10 + 12}{5} \\ &= \frac{55}{5} \\ &= 11\end{aligned}$$

16. Zakir has scored in maths, English, science, social science,

Amharic, ethics and civics 95, 96, 98, 90, 92, 99. Calculate the average mark of Zakir.

17. My father has three accounts. The average amount of his money is Birr 250,000. What is the total amount of money of my father?

18. The average height of ten girls is 156 centimeters. If the sum heights of nine girls 1400 centimeter, then calculate the height of the tenth girl?

19. Calculate the average of the data

: 56, 65, 67, 78, 64, 61, 53, 47, 78, , 87

20. Birr 56,000 is collected for charity to be given for holiday. If the average amount of money contributed by the students is birr 80 , then how many students contribute for the charity?