

Holidays Assignment

Class - VII

Mathematics

1. Harmeet purchased 3.5kg of potatoes at the rate of Rs. 13.75 per kg. How much money should she pay in nearest rupees?
2. When 0.02964 is divided by 0.004 what will be the quotient
3. How much cloth will be used in making 6 shirts if each required $2\frac{1}{4}$ m of cloth allowing $\frac{1}{8}$ m for waste in cutting and finishing each shirt?
4. Solve $5\frac{1}{6} \div \frac{9}{2}$
5. Find the value of x & hence find median if mean is 4.5
5, 7, 7, 8, x, 5, 4, 3, 1, 2
6. Find the median of first nine even natural numbers.
7. A dice was thrown 15 times and the outcomes recorded were 5, 3, ,4 1, 2, 6, 4, 2, 2, 3, 1, 5, 6, 1, 2 Find the mean median & mode of the data.
8. In a public library the following observation were recorded by the librarian in a particular week.

Days	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Newspaper Reader	400	600	350	550	500	350
Magazine Reader	150	100	200	300	250	200

- (a) Draw a double bar graph choosing an appropriate scale.
- (b) On which day the no. of readers in the library was maximum.
- (c) What is the mean number of magazine reader?
9. Given below are heights of 15 boys of a class measured in cm:
128, 144, 146, 143, 136, 142, 138, 129, 140, 152, 144, 140, 150, 142, 152
Find
 - (a) The height of the tallest boy.
 - (b) The height of the shortest boy.
 - (c) The range of the given data.
 - (d) The median height of the boys.
10. 9 added to twice a number gives 13. Find the number.
11. The perimeter of a rectangle is 40 m.
The length of the rectangle is 4 m less than 5 times its breadth. Find the length of the rectangle.
12. If 10 is subtracted from half a number the result is 4.
13. One of the two numbers is twice the other. The sum of the numbers is 12. Find the numbers.
14. Thrice a number decreased by 5 exceeds twice the number by 1. Find the numbers.
15. Solve for x $3x-7 = 21$
16. Find the value of P
 $\frac{2P}{4} = \frac{15}{4}$
17. Give steps & solve
 $7x - 5 = 25$
18. Give steps & solve
 $\frac{2t}{3} + \frac{7}{2} = \frac{12}{5}$
19. Divide $\frac{3}{10}$ by $\left(\frac{1}{4} \text{ of } \frac{3}{5}\right)$

20. What is the cost of 27.5m of cloth at Rs. 53.50 per meter?

21. Which is greater?

$\frac{1}{3}$ of $\frac{6}{7}$ or $\frac{2}{5}$ of $1\frac{2}{3}$

22. The length of a rectangle is 7.1 and breadth is 2.5cm. What is the area of the rectangle.

23. A car covers a distance of 89.1km in 2.2 hrs. What is the average distance covered by it in 1 hrs.?

24. Following data gives total marks (out of 600) obtained by six children of a particular class. Represent the data on a bar graph.

Students	Ajay	Bali	Dipti	Faiyaz	Geetika	Hari
Mark obtained	450	500	300	360	400	540

25. Write statement in form of equations.

(i) The sum of three times of x and 11 is 32.

(ii) One fourth of m is 3 more than 7.

(iii) One third of a number plus 5 is 8.

26. Solve $4(m + 3) = 18$

27. Give first step you will use to separate variable.

$$9P - 12 = 128$$

28. Raju's father's age is 5yr more than three times Raju's age. Find Raju's age, if his father is 44yr old.

29. When you multiply a number by 6 and subtract 5 from the product, you get 7. Can you tell what the number is?

30. A Shop-keeper sells mango in two types of boxes, one small and one large. A large box contains as many as 8 small boxes plus 4 loose mangoes. Set up an equation. Which gives the number of mangoes in each small box. The number of mangoes in a large box is given to be 100.