



विद्या सर्वार्थ साधिका

ANANDALAYA
PERIODIC TEST – 3
Class: VI

Subject: Mathematics

Date : 08-01-2025

MM: 40

Time: 1 Hr 30 min

General Instructions:

1. This question paper consists of 21 questions. All questions are compulsory.
2. Question paper has four sections: Section A, Section B, Section C and Section D.
3. Section A consists of 9 multiple choice questions carrying 1 mark each.
4. Section B consists of 6 very short answer type questions carrying 02 marks each.
5. Section C consists of 5 short answer type questions carrying 03 marks each.
6. Section D consists of 1 long answer type question carrying 04 marks.

SECTION – A

1. What fraction of an hour is 9 minutes? (1)
(A) $\frac{9}{20}$ (B) $\frac{3}{20}$ (C) $\frac{9}{30}$ (D) $\frac{3}{30}$
2. If $\frac{11}{4} = \frac{77}{x}$ then $x =$ _____. (1)
(A) 44 (B) 28 (C) $\frac{77}{28}$ (D) 308
3. The value of $\frac{37}{10000}$ is equal to _____. (1)
(A) 0.0370 (B) 0.00037 (C) 0.0037 (D) 0.000037
4. 15 litres and 15 ml is equal to (1)
(A) 15.15 litres (B) 15.150 litres (C) 15.0015 litres (D) 15.015 litres
5. Given below are the marks (out of 10) obtained by 20 students in their Maths class test. (1)
8, 1, 2, 6, 5, 5, 5, 5, 0, 1, 8, 9, 7, 10, 3, 5, 6, 10, 8, 7.
The number of students who obtained marks equal to or more than 5 is _____.
(A) 13 (B) 15 (C) 16 (D) 17
6. Jagdish got ₹50 as a pocket money and he buys an item worth ₹15.50. How much money is left (1)
with him?
(A) ₹25.50 (B) ₹34.50 (C) ₹35.00 (D) ₹35.50
7. What is the difference between the highest and lowest values in the data set given? (1)
843, 978, 785, 987, 592, 966
(A) 365 (B) 418 (C) 395 (D) 235
8. If we add $\frac{1}{4}$ of a cup of sugar and $\frac{2}{3}$ cup of milk to make a recipe, what fraction of cream should be (1)
added to ensure a complete recipe?
(A) $\frac{1}{12}$ (B) $\frac{1}{4}$ (C) $\frac{11}{12}$ (D) $\frac{12}{4}$
9. A piece of cloth is $\frac{5}{6}$ m long. If $\frac{2}{3}$ m of the cloth is used to make a shirt, how much cloth is left? (1)
(A) $\frac{1}{6}$ m (B) $\frac{1}{3}$ m (C) $\frac{5}{6}$ m (D) $\frac{4}{6}$ m

SECTION – B

10. Solve the following fractions. (2)
- (a) $\frac{7}{12} + \frac{15}{16}$ (b) $3\frac{5}{9} - \frac{4}{21}$
11. Express the following in decimal form and find their sum. (2)
- (i) Three hundred five and forty-three thousandths
- (ii) $250 + 40 + 5 + \frac{3}{100} + \frac{5}{1000}$

12. Subtract the sum of 55.02 and 6.10 from 201.15 (2)

OR

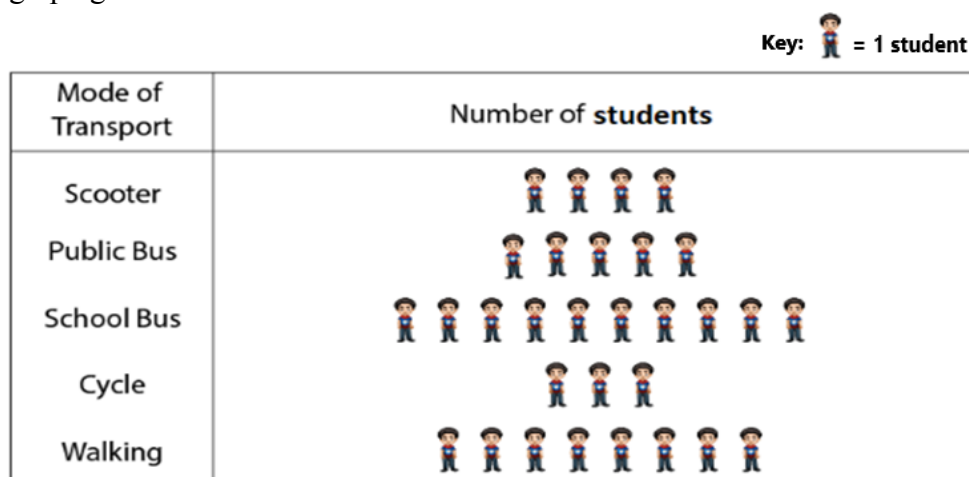
A container contains some boxes of wheat weighing 1987 kg. If the container has 100 boxes each of same weight, how much wheat is there in each box?

13. Write the equivalent fraction of: (2)
- (i) $\frac{3}{4}$ with denominator 24 (ii) $\frac{24}{60}$ with numerator 2
14. What is to be added to 73.6 to get 91.03? (2)

OR

Convert the following fractions into decimals

- (i) $\frac{21}{100}$ (ii) $\frac{2031}{1000}$ (iii) $\frac{36}{10}$ (iv) $4\frac{3}{1000}$
15. A survey was carried out in a school to find about different modes of transport used by students to travel to school each day. 30 students of the class VI were interviewed and data obtained is shown in the pictograph given below. (2)



- (i) What is the difference between the most popular and the least popular mode of travel?
- (ii) How many students didn't use bus services?

SECTION – C

16. In class VI-A out of 40 students, 25 come by bus and in class VI-B out of 30 students, 17 come by bus. Find the difference between the fractions of the students who come by bus. (3)

OR

Arrange the fractions in ascending order: $\frac{3}{5}, \frac{2}{3}, \frac{5}{8}, \frac{3}{4}$.

17. (a) Naitik walked 2 km 35 m in the morning and 1 km 7 m in the evening. He then took a bus for some distance. If he covered a total distance of 15 km 750 m throughout the whole journey, then how much distance did he travel by bus? (3)
- (b) Rahul bought 4 kg 90 g of apples, 2 kg 60 g of grapes and 5 kg 300 g of mangoes. Find the total weight of the fruits he bought.

OR

Write the following decimals as fractions. Reduce the fractions to the lowest form.

- (i) 3.8 (ii) 21.2 (iii) 6.4

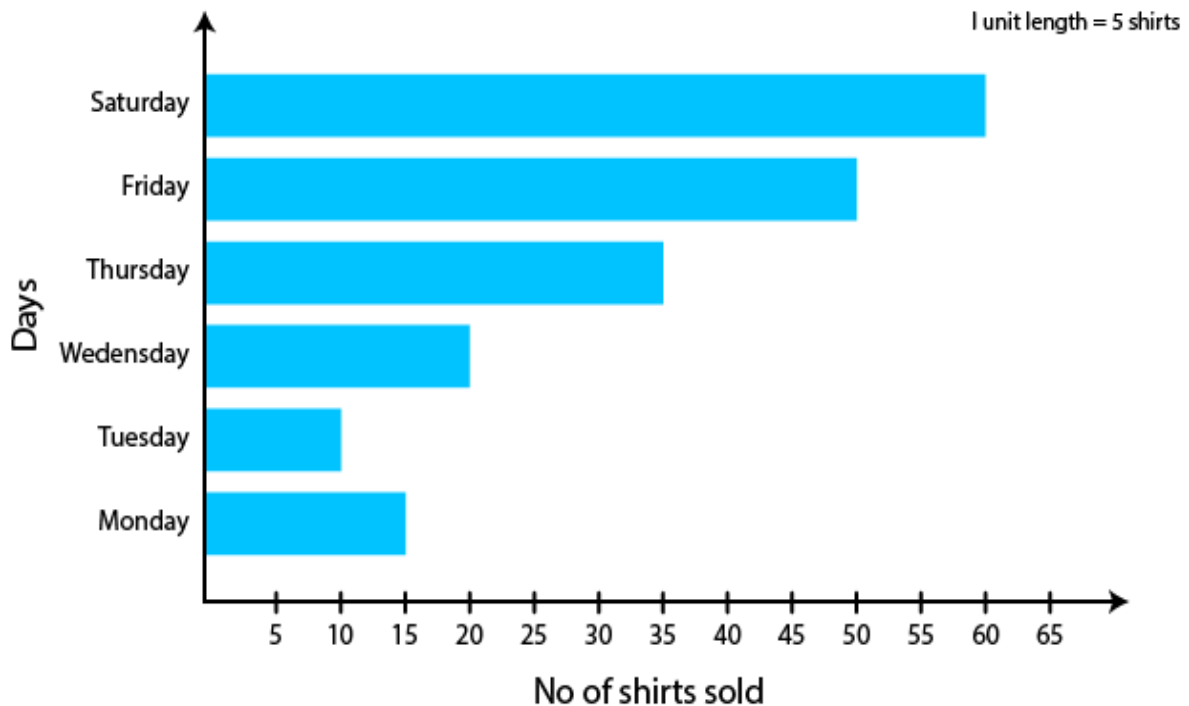
18. Rakesh threw a dice 20 times and noted the number appearing each time as shown below: (3)

4	3	5	5	6	2	5	4	6	1
6	5	4	4	6	1	5	5	1	1

- (a) Represent the data using tally marks.
(b) Find the number that appeared the minimum and maximum number of times.
19. (a) Lata wanted to buy a pen worth ₹150.50 and a pencil worth ₹52.65. However, she has only ₹125.75 with her. How much money did she fall short for? (3)
(b) Express 3567 m as 'km' using decimals.
20. Write the fraction of prime numbers from 60 to 71 and 90 to 101 and also find the sum of those fractions. (3)

SECTION – D

21. Observe the bar graph which shows the sale of shirts in a clothing shop from Monday to Saturday. (4)



- (a) What information does the bar graph give?
(b) What is the difference between the no. of shirts sold from Mon to Wed and Thu to Sat?
(c) How many shirts were sold from Monday to Thursday?