NAAHAR PUBLIC SCHOOL CBSE SENIOR SECONDARY, VILLUPURAM
ACADEMIC YEAR-2022-23
PERIODIC TEST- IV EXAMINATION (DECEMBER'22)

CLASS: VI **DATE: 22-12-2022**
SUBJECT: MATHS **MARKS: 80**
SUBJECT TEACHER: Mrs. JACCULIN **DUR: 2hrs 30mins**

I. Fill in the blanks: **(15×1=15)**

1. In a _____ fraction, the numerator is smaller than the denominator.

2. The denominator of $\frac{6}{19}$ is _____.

3. Decimal form of Forty nine point zero seven nine is _____.

4. $30 + 7 + \frac{2}{100}$ is _____.

5. Data is arranged in tabular form using _____ to count frequency.

6. The length of the boundary of a figure is called its _____.

7. _____ is a diagrammatic representation of data in the form of pictures, objects or parts of Object.

8. A combination of whole number and a proper fraction is called a _____ fraction.

9. 92 mm = _____ m.

10. Write in words: 20.03 _____.

11. The perimeter of a rectangle is _____.

12. A collection of numbers gathered to give some information is called _____.

13. 9 cm 8 mm = _____ cm.

14. $\frac{11}{7}$ is a _____ fraction.

15. The perimeter of an equilateral triangle is _____.

II. Choose the correct answer: **(10×1=10)**

1. Which of the following is a proper fraction?

(a) $\frac{1}{2}$ (b) $\frac{5}{4}$ (c) $\frac{3}{2}$ (d) $\frac{9}{2}$

2. $\frac{22}{10}$ = _____.

(a) 0.22 (b) 2.2 (c) 2.02 (d) 2.002

3. A _____ is drawn by using bars of uniform width drawn at equal distances.

(a) pictograph (b) pie chart (c) bar graph (d) none of these

4. Perimeter of a regular hexagon = _____.

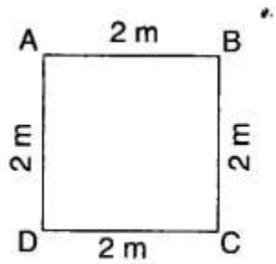
(a) 3 × Length of a side (b) 4 × Length of a side

(c) 5 × Length of a side (d) 6 × Length of a side.

5. What fraction of ₹ 1 is 25 paise?

(a) $\frac{1}{2}$ (b) $\frac{1}{4}$ (c) $\frac{1}{8}$ (d) $\frac{1}{10}$

6. The perimeter of the figure is



(a) 8 m (b) 16m (c) 4m (d) none of these.

7. $2\frac{1}{10}$ = _____.

(a) 2.1 (b) 2.01 (c) 2.001 (d) 2.0002

8. A page is 25 cm long and 20 cm wide. Find the perimeter of this page.

(a) 90 cm (b) 45 cm (c) 500 cm (d) 5 cm.

9. 1 mm= _____.

(a) 0.1 cm (b) 0.01 cm (c) 0.001 cm (d) 0.0001 cm.

10. Between which two whole numbers on the number line does the number 3.3 lie?

(a) 0 and 1 (b) 1 and 2 (c) 2 and 3 (d) 3 and 4.

III. Match the following: **(5×1=5)**

1. Perimeter of a square	-	5 × Sides
2. Perimeter of a rectangle	-	Side × Side
3. Area of a square	-	Length × Breadth
4. Area of rectangle	-	2 [Length + Breadth]
5. Perimeter of pentagon	-	4 × Sides

IV. Do the following: (Answer any 10) **(10×3=30)**

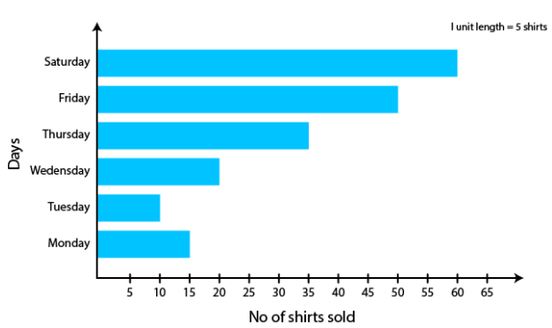
1. Express the following as improper fractions:

(a) $7\frac{3}{4}$ (b) $5\frac{6}{7}$ (c) $2\frac{5}{6}$

2. Express as rupees using decimals:

(a) 50 rupees 90 paise (b) 725 paise

3. Observe this bar graph which is showing the sale of shirts in a ready made shop from Monday to Saturday



(a) What information does the above bar graph give?

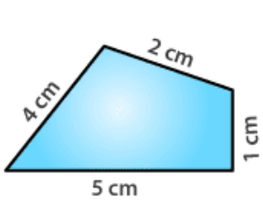
(b) What is the scale chosen on the horizontal line representing number of shirts?

(c) On which day were the maximum numbers of shirts sold? How many shirts were sold on that day?

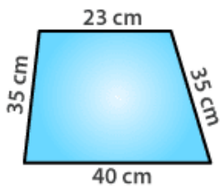
(d) On which day were the minimum numbers of shirts sold?

(e) How many shirts were sold on Thursday?

4. Find the perimeter of each of the following figures:



(a)



(b)

5. Reduce the following fractions to the simplest form:

(a) $\frac{48}{60}$ (b) $\frac{150}{60}$ (c) $\frac{84}{98}$

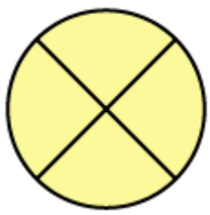
6. Express the following as cm using decimals.

(a) 2 mm (b) 30 mm (c) 116 mm

7. Total number of animals in five villages are as follows:

Village A : 80 Village B : 120 Village C : 90 Village D : 40 Village E : 60

Prepare a pictograph of these animals using one symbol



to represent 10 animals and answer the following questions:

(a) How many symbols represent animals of village E?

(b) Which village has the maximum number of animals?

(c) Which village has more animals: village A or village C?

8. What is the length of the wooden strip required to frame a photograph of length and breadth 32 cm and 21 cm respectively?

9. Solve: $\frac{4}{3}$ – $\frac{1}{2}$

10. Rashid spent ₹ 35.75 for Maths book and ₹ 32.60 for Science book. Find the total amount spent by Rashid.

11. Following is the choice of sweets of 30 students of Class VI.

Ladoo, Barfi, Ladoo, Jalebi, Ladoo, Rasgulla, Jalebi, Ladoo, Barfi, Rasgulla, Ladoo, Jalebi, Jalebi, Rasgulla, Ladoo, Rasgulla, Jalebi, Ladoo, Rasgulla, Ladoo, Ladoo, Barfi, Rasgulla, Rasgulla, Jalebi, Rasgulla, Ladoo, Rasgulla, Jalebi, Ladoo.

(a) Arrange the names of sweets in a table using tally marks.

(b) Which sweet is preferred by most of the students?

12. The perimeter of a regular pentagon is 100 cm. How long is its each side?

V. Do the following: (Answer any 4) (4×5=20)

1. Find the cost of fencing a rectangular park of length 175 cm and breadth 125 m at the rate of ₹ 12 per metre.

2. Asha and Samuel have bookshelves of the same size, partly filled with books. Asha's shelf is $\frac{5}{6}$ th full, and Samuel's shelf is $\frac{2}{5}$ th full. Whose bookshelf is more full? By what fraction?

3. Sunita travelled 15 km 268 m by bus, 7 km 7 m by car and 500 m on foot in order to reach her school. How far is her school from her residence?

4. Following table shows the number of bicycles manufactured in a factory during the years 1998 to 2002. Illustrate this data using a bar graph. Choose a scale of your choice

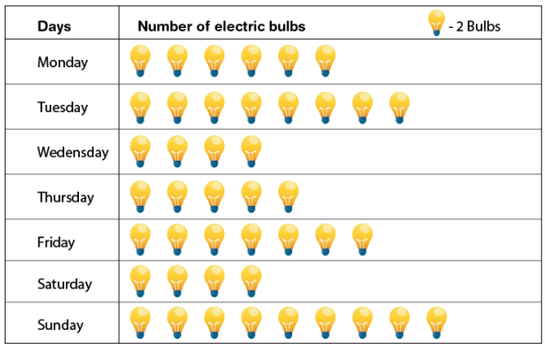
Year	Number of bicycles manufactured
1998	800
1999	600
2000	900
2001	1100
2002	1200

(a) In which year were the maximum number of bicycles manufactured?

(b) In which year were the minimum number of bicycles manufactured?

5. Aakash bought vegetables weighing 10 kg. Out of this, 3 kg 500 g is onions, 2 kg 75 g is tomatoes and the rest is potatoes. What is the weight of the potatoes?

6. The sale of electric bulbs on different days of a week is shown below:



Observe the pictograph and answer the following questions:

(a) How many bulbs were sold on Friday?

(b) On which day were the maximum number of bulbs sold?

(c) On which of the days same number of bulbs were sold?

(d) On which of the days minimum number of bulbs were sold?

(e) If one big carton can hold 9 bulbs. How many cartons were needed in the given week?