

GRAND TEST

GENERAL INSTRUCTIONS :

- All questions compulsory.
- The question paper consists of **21 questions**.
- Time allotted is **2 hours**. The **Maximum Marks** are **60**.

1. An athlete takes 10 rounds of a rectangular park, 50 m long and 25 m wide. Find the total distance covered by him.
2. Find the perimeter of a rectangle whose length and breadth are 150 cm and 1 m respectively.
3. A farmer has a rectangular field of length and breadth 240 m and 180 m respectively. He wants to fence it with 3 rounds of rope as shown in figure 10.4. what is the total length of rope he must use?

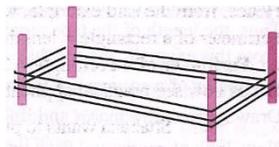
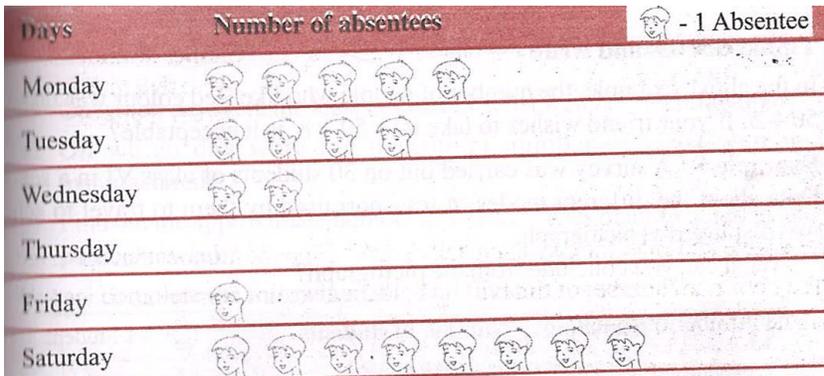


Fig. 10.4

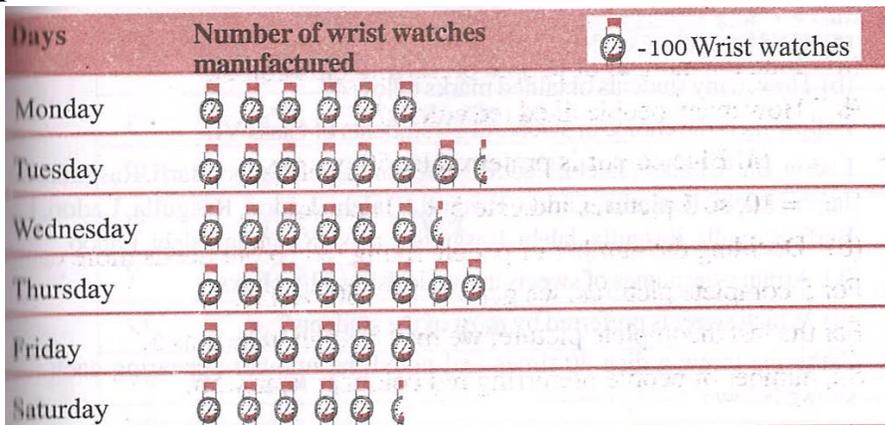
4. Find the cost of fencing a rectangular park of length 250 m and breadth 175 m at the rate of Rs 12 per metre.
5. Find the distance travelled by Shaina if she takes three rounds of a square park of side 70 m.
6. Pinky runs around a square field of side 75 m, Bob runs around a rectangular field with length 160 m and breadth 105 m. Who covers more distance and by how much?
7. Find the perimeter of a regular pentagon with each side measuring 3 cm.
8. Find the perimeter of each of the following shapes:
 - (a) A triangle of sides 3 cm, 4 cm and 5 cm.
 - (b) An equilateral triangle of side 9 cm.
 - (c) An isosceles triangle with equal sides 8 cm each and third side 6 cm.
9. Find the side of the square whose perimeter is 20 m.
10. A piece of string is 30 cm long. What will be the length of each side if the string is used to form:
 - (a) a square?
 - (b) an equilateral triangle?
 - (c) a regular hexagon?
11. Sweety runs around a square park of side 75 m. Bulbul runs around a rectangular park with length 60 m and breadth 45 m. Who covers less distance?
12. Ekta is asked to collect data for size of shoes of students in her Class VI. Her finding are recorded in the manner shown below:

5	4	7	5	6	7	6	5	6	6	5
4	5	6	8	7	4	6	5	6	4	6
5	7	6	7	5	7	6	4	8	7	6

13. The following pictograph shows the number of absentees in a class of 30 students during the previous week:



- (a) On which day were the maximum number of students absent?
 (b) Which day had full attendance?
 (c) What was the total number of absentees in that week?
14. Following is the pictograph of the number of wrist watches manufactured by a factory in a particular week.



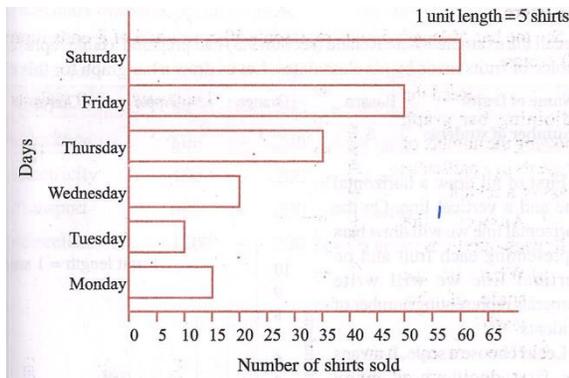
- (a) On which day were the least number of wrist watches manufactured?
 (b) On which day were the maximum number of wrist watches manufactured?
 (c) Find out the approximate number of wrist watches manufactured in the particular week?

We can complete the following table and find the answers.

Days	Number of wrist watches manufactured
Monday	600
Tuesday	More than 700 and less than 800
Wednesday
Thursday
Friday
Saturday

B. Prepare another pictograph of students using any other symbol each representing 50 students. Which pictograph do you find more informative?

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

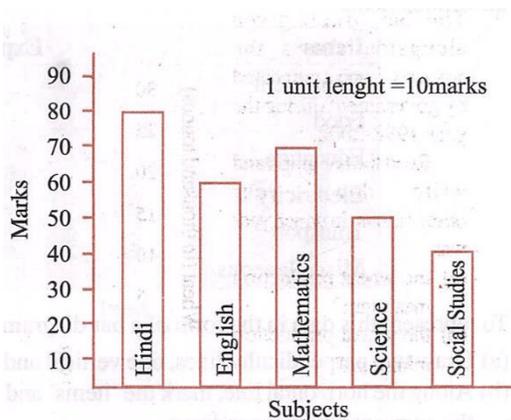


Now answer the following questions:

- What information does the above bar graph give?
 - What is the scale chosen on the horizontal line representing number of shirts?
 - On which day were the minimum number of shirts sold? How many shirts were sold on that day?
 - On which day were the maximum number of shirts sold?
 - How many shirts were sold on Thursday?
19. Observe this bar graph which shows the marks obtained by Aziz in half-yearly examination in different subjects.

Answer the given questions.

- What information does the bar graph give?
- Name the subject in which Aziz scored maximum marks.
- Name the subject in which he has scored minimum marks.
- State the name of the subjects and marks obtained in each of them.



20. A survey of 120 school students was done to which activity they prefer to do in their free time.

Preferred activity	Number of students
Playing	45
Reading story books	30
Watching TV	20
Listening to music	10
Painting	15

Draw a bar graph to illustrate the above data taking scale of 1 unit length = 5 students.

Which activity is preferred by most of the students other than playing?

21. The number of Mathematics books sold by a shopkeeper on six consecutive days is shown below:

Days	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Number of books sold	65	40	30	50	20	70

Draw a bar graph to represent the above information choosing the scale of your choice.