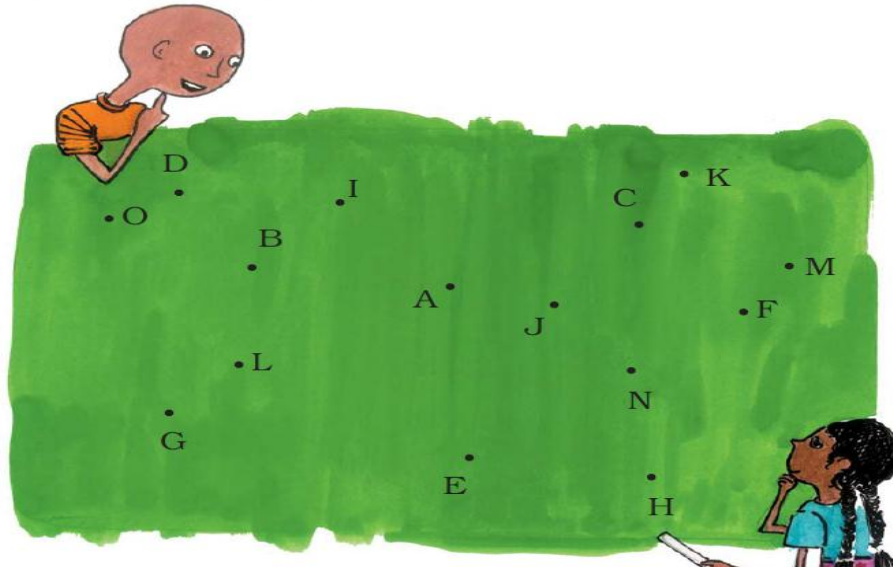


IMPORTANT POINTS:

- i. 10 MM = 1 CM
- ii. 100 cm = 1 m
- iii. 1000m = 1km

How Far Apart are the Dots?



1. Guess the distance between any two dots. How many centimetres is it?  
Ans: Measuring with the help of the scale A to J is 2 cm
2. Which two dots are farthest from each other?  
Ans: The farthest two dots are O to M is 10.2 cm
3. Which two dots are nearest to each other?  
Ans: The nearest two dots are D to O is 1.2 cm

Try This

★ Make her right arm 1 cm longer than the left arm.



★ Draw a cup 1 cm shorter than this cup.



★ Draw a broom half as long as this broom.



★ Draw another hair of double the length.



I. LINE SEGMENT:

Line segment is a line which starts from one point and ends at another point. It is denoted by some letters. It has certain length.

II. DRAW A LINE SEGMENT FOR THE FOLLOWING:

1. 5 CM
2. 8 CM
3. 9.5 CM
4. 10 CM
5. 5.5 CM
6. 3.2 CM
7. 1.8 CM
8. 2 CM
9. 8.4 CM
10. 11 CM
11. 14.5 CM
12. 7.3 CM
13. 9 CM

III. WHAT IS A BETTER UNIT TO MEASURE?

1. Length of a needle = cm
2. Height of a tree = m
3. Distance of a train travels = km
4. Length of a straw = cm
5. Height of your friend = cm
6. Length of a 5 rupee note = cm
7. Height of a wall of classroom = m
8. Length of a saree = m

IV. ADD THE FOLLOWING:

|       |        |
|-------|--------|
| 1. M  | CM     |
| 8     | 269    |
| 9     | 486    |
| <hr/> |        |
| 17M   | 255 CM |
| <hr/> |        |

V. SUBTRACT THE FOLLOWING:

|       |        |
|-------|--------|
| 1. M  | CM     |
| 90    | 469    |
| 14    | 281    |
| <hr/> |        |
| 76 m  | 188 cm |
| <hr/> |        |

VI. 1.

Here are the Indian Records and World Records for some jumps.

| <i>Sports</i>     | <i>World Record</i>  | <i>Indian Record</i>   |
|-------------------|----------------------|------------------------|
| High Jump (Men)   | Javier S. (2m 45 cm) | Chandra Pal (2m 17 cm) |
| Long Jump (Men)   | Mike P. (8m 95 cm)   | Amrit Pal (8m 8 cm)    |
| High Jump (Women) | Stefka K. (2m 9 cm)  | Bobby A. (1m 91 cm)    |
| Long Jump (Women) | Galina C. (7m 52 cm) | Anju G. (6m 83 cm)     |

Find out from the table

1. How many centimetres more should Chandra Pal jump to equal the Men's World Record for high jump?

Ans:  $2\text{m } 45\text{ cm} - 2\text{m } 17\text{ cm} = 38\text{ cm}$

2. How many centimetres higher should Bobby A. jump to reach 2 metres?

Remember that  $1\text{m} = 100\text{ cm}$

Half metre = ?

Ans: 50 cm

3. Galina's long jump is nearly

- a) 7 metres
- b) 7 and a half metres
- c) 8 metres

Ans: b. 7 and half metres

4. Look at the Women's World Records. What is the difference between the longest jump and the highest jump?

Ans:  $7\text{ m}52\text{ cm} - 2\text{m } 9\text{ cm} = 5\text{m } 43\text{cm}$

5. If Mike P. could jump \_\_\_\_\_ centimetres longer, his jump would be full 9 metres.

Ans: 5 cm needed to complete 9m

6. Whose high jump is very close to two and half metres?

- a) Stefka K.
- b) Chandra Pal
- c) Javier S.
- d) Bobby A.

Ans: c. Javier . s

VII. CONVERSION:

1. 4 M into cm:  
Ans:  $1\text{m} = 100\text{ cm}$   
 $4\text{m} = 4 \times 100 = 400\text{ cm}$
2. 5m 20 cm into cm:  
Ans:  $1\text{m} = 100\text{ cm}$   
 $5\text{m} = 5 \times 100 = 500\text{ cm} + 20\text{ cm} = 520\text{ cm}$
3. 900 cm into m:  
Ans:  $100\text{ cm} = 1\text{m}$   
 $900\text{ cm} = 900 / 100 = 9\text{ m}$
4. 1325 cm into m:  
Ans:  $100\text{ cm} = 1\text{ m}$   
 $1325\text{ cm} = 1325 / 100 = 13.25 = 13\text{ m } 25\text{cm}$
5. 5 km into m:  
Ans:  $1\text{ km} = 1000\text{ m}$   
 $5\text{ km} = 5 \times 1000 = 5000\text{ m}$
6. 90 km into m:  
Ans:  $1\text{ km} = 1000\text{ m}$   
 $90\text{ km} = 90 \times 1000 = 90000\text{m}$
7. 5000 m into km:  
Ans:  $1000\text{ m} = 1\text{ km}$   
 $5000\text{ m} = 5000 / 1000 = 5\text{ km}$
8. 9400 m into km:  
Ans:  $1000\text{ m} = 1\text{ km}$   
 $9400\text{ m} = 9400 / 1000 = 9.4\text{ km}$

VIII. WORD PROBLEMS:

1.

### **Running Exercise**

The doctor has told Devi Prasad to run 2 km every day to stay fit. He took one round of this field. How far did he run?

Ans: One round of the field =  $500\text{ m} + 500\text{ m} + 500\text{ m} + 500\text{m} = 2000\text{m}$   
 $2000\text{m} = 2000 / 1000 = 2\text{ km}$

2.

The field was very far from his home. So he chose a park nearby. The boundary of the park was about 400 metres long.

★ How many rounds of the park must Devi Prasad run to complete 2 km?

Ans: Length of the boundary of the park = 400 m

400 m = 1 round

2km = 2000 m

So  $2000 / 400 = 5$  rounds

3. How many kms will he run for 8 rounds?

Ans: For 1 round = 400 m

For 8 rounds =  $400 \times 8 = 3200$  m

1km = 1000 m

So  $3200 \text{ m} = 3200 / 1000 = 3.200 = 3 \text{ km } 200 \text{ m}$