

CLASS 4 MATHS - CHAPTER 7 (THE CLEANEST VILLAGE)**DATA HANDLING & LOGICAL REASONING WORKSHEET**

Q1. In Green Wood Village, four student groups collected plastic waste from a park.

Look at their tally marks:

- Group A: |||| |||

- Group B: |||| ||||

- Group C: |||| |||| ||

- Group D: ||||

Which group collected the maximum number of plastic items, and what is the total number of items collected by that group?

Q2. A school club counted the number of garbage bins in 3 different sectors.

- Sector 1 has 12 bins.

- Sector 2 has half the number of bins as Sector 1.

- Sector 3 has 5 more bins than Sector 2.

How many total garbage bins are there in all three sectors combined?

Q3. Class 4 students are making a pictograph of planted trees. In their chart:

[Tree Icon] represents 4 real trees.

If the students drew 6 complete [Tree Icons] and one half-cut tree icon to represent the trees planted in the village square, how many actual trees were planted?

Q4. In a "Keep Your Village Clean" drive, 40 volunteers were divided into three teams: Team Red, Team Blue, and Team Green.

- Team Red has 12 volunteers.

- Team Blue has 3 more volunteers than Team Red.

How many volunteers are there in Team Green?

Q5. Look at the data of compost pits dug by four families:

- Sharma Family: 3 pits

- Verma Family: 5 pits

- Ali Family: 2 pits

- Singh Family: 6 pits

If each compost pit can process 10 kg of wet waste daily, what is the total amount of wet waste (in kg) processed by all four families together in one day?

Q6. Rohan recorded the types of waste collected in a bin using tally marks:

- Paper Waste: |||| |||| ||
- Plastic Waste: |||| ||
- Glass Waste: |||

Rohan made a mistake. He forgot to count 3 more plastic items. What should be the correct total number of items in the bin after fixing his mistake?

Q7. Four streets in a neat village recorded their weekly water usage points (less points mean better conservation).

- Street A: 25 points
- Street B: 18 points
- Street C: 32 points
- Street D: 15 points

Arrange the streets in order from the cleanest/most conserving (lowest points) to the least conserving (highest points).

Q8. A pictograph shows the number of cloth bags distributed to replace plastic:

- Monday: [Bag] [Bag] [Bag]
- Tuesday: [Bag] [Bag]
- Wednesday: [Bag] [Bag] [Bag] [Bag] [Bag]

If a total of 100 cloth bags were distributed over these three days, how many actual cloth bags does one single [Bag] icon represent?

Q9. In a cleanliness survey, villagers voted for their main target area.

- 15 villagers voted for "Cleaning the Pond".
- 25 villagers voted for "Fixing the Drains".
- 10 villagers voted for "Planting Flowers".

If you make a tally chart for the total number of villagers who voted, how many total slanting/crossed lines (the fifth line in a bundle of 5) will you draw in your complete chart?

Q10. Five friends spent their Sunday morning picking up dry leaves.

- Anil picked 15 leaves.
- Binny picked 22 leaves.
- Charan picked 18 leaves.
- Deepa picked 25 leaves.
- Esha picked 20 leaves.

What is the difference between the highest number of leaves collected and

the lowest number of leaves collected among the friends?

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FINAL ANSWER KEY (FOR TEACHERS / VERIFICATION)

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Ans 1: Group C collected the maximum; total items = 12.

Ans 2: 29 bins (Sector 1 = 12; Sector 2 = 6; Sector 3 = 11. Total = $12 + 6 + 11$)

Ans 3: 26 trees ($6 \times 4 = 24$; Half icon = 2. Total = $24 + 2 = 26$)

Ans 4: 13 volunteers (Team Blue = $12 + 3 = 15$; Green = $40 - 12 - 15 = 13$)

Ans 5: 160 kg (Total pits = $3 + 5 + 2 + 6 = 16$ pits. Total waste = $16 \times 10 = 160$)

Ans 6: 24 items (Initial count = $12 + 7 + 3 = 22$. Corrected count = $22 + 2 = 24$)

Ans 7: Street D -> Street B -> Street A -> Street C

Ans 8: 10 cloth bags (Total icons = $3 + 2 + 5 = 10$ icons. $100 \div 10 = 10$ bags/icon)

Ans 9: 10 slanting lines (Total votes = $15 + 25 + 10 = 50$. 50 votes make exactly 10 groups of 5. Each group has 1 slanting cross-line).

Ans 10: 10 leaves (Highest = 25 by Deepa; Lowest = 15 by Anil. $25 - 15 = 10$)

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