

1. Favourite Pet Animal (Tally Marks Table)

Yamini asked 24 children and created a tally chart.

Q: Complete the table using tally marks.

Animal Tally Marks Number

Cats

Dogs

Rabbits

Cows

Parrots

Goats

Squirrel

Q: How many children did Yamini talk to?

👉 Total = $24 + 12 + 5 + 7 + 5 + 2 + 1 = 56$ children

Q: Which is the most favourite pet animal?

👉 Cats (24)

2. Tally Marks on the Road (Vehicles)

Sumita counted vehicles on a road in half an hour.

Sample Table:

Vehicle Tally Marks Number

Cycle

Car

Auto rickshaw

Bus

Cycle rickshaw

Truck

Q: How many vehicles did she see in all?

👉 Total = $10 + 12 + 15 + 7 + 10 + 5 = 59$ vehicles

Q: Are auto rickshaws thrice the number of trucks?

👉 15 (autos) vs 5 (trucks) $\rightarrow 15 \div 5 = 3 \rightarrow$ Yes

Q: Make tally marks for 7 more buses and 2 more trucks.

- New Bus total = $7 + 7 = 14$
- New Truck total = $5 + 2 = 7$

3. Helping Hands

Given Table:

Help at Home	Number of Children
Going to the market	47
Washing utensils	15
Washing clothes	3
Making/serving food	25
Cleaning the house	10
Total	100

Q: Fill the Chapati (Pie) Chart

- Making/Serving Food = 25 \rightarrow **$\frac{1}{4}$** (25%)
- One-third = **33.33 children**
- One-fourth = **25 children**
- Half = **50 children**

4. Activities after School (Survey)

Activity	Number
Watching TV	4
Playing Football	3
Reading Books	3

(Assume based on 10 children polled)

5. Growth Chart of a Plant

Day Length (cm)

0	0
4	1.4
8	5.3
12	9.5
16	10.2

Day Length (cm)

20 10.9

Q: Between which days did the plant grow the most?

👉 4 to 8 days: $5.3 - 1.4 = 3.9$ cm

Q: What could be the length on the 14th day?

👉 Approx. between 9.5 and 10.2 → **10.0 cm** (option iv)

Q: Will the plant grow forever?

👉 **No**, it slows down and stops eventually.

6. Rabbits in Australia

Year Rabbits

0 10

1 18

2 32

3 58

4 108

5 204

6 380

Q: Growth pattern?

👉 a) **More than double** each year

👉 b) At year 6, closest to **400**

👉 c) Crossed 1000 after **year 7 or 8**

7. Family Tree Questions (Madhav's)

Q1: How many grandparents does Shobna have?

👉 4 (2 from each parent)

Q2: Great-great grandparents of Madhav?

👉 16 (2^4)

Q3: Elders in the VII generation?

👉 $2^6 = 64$

Q4: Generation with 128 elders?

👉 $2^7 = \text{VII Generation}$

8. Temperature Bar Chart Questions

Based on given chart:

1 June:

- Delhi: 33°C
- Shimla: 22°C
- Bangalore: 28°C
- Jaisalmer: 38°C

1 December:

- Delhi: 23°C
- Shimla: 10°C
- Bangalore: 24°C
- Jaisalmer: 25°C

Q: Which city is hottest on 1 June?

👉 Jaisalmer (38°C)

Q: Coldest on 1 December?

👉 Shimla (10°C)

Q: Which city had least change in temperature?

👉 Bangalore: 28° to 24° = 4° change