

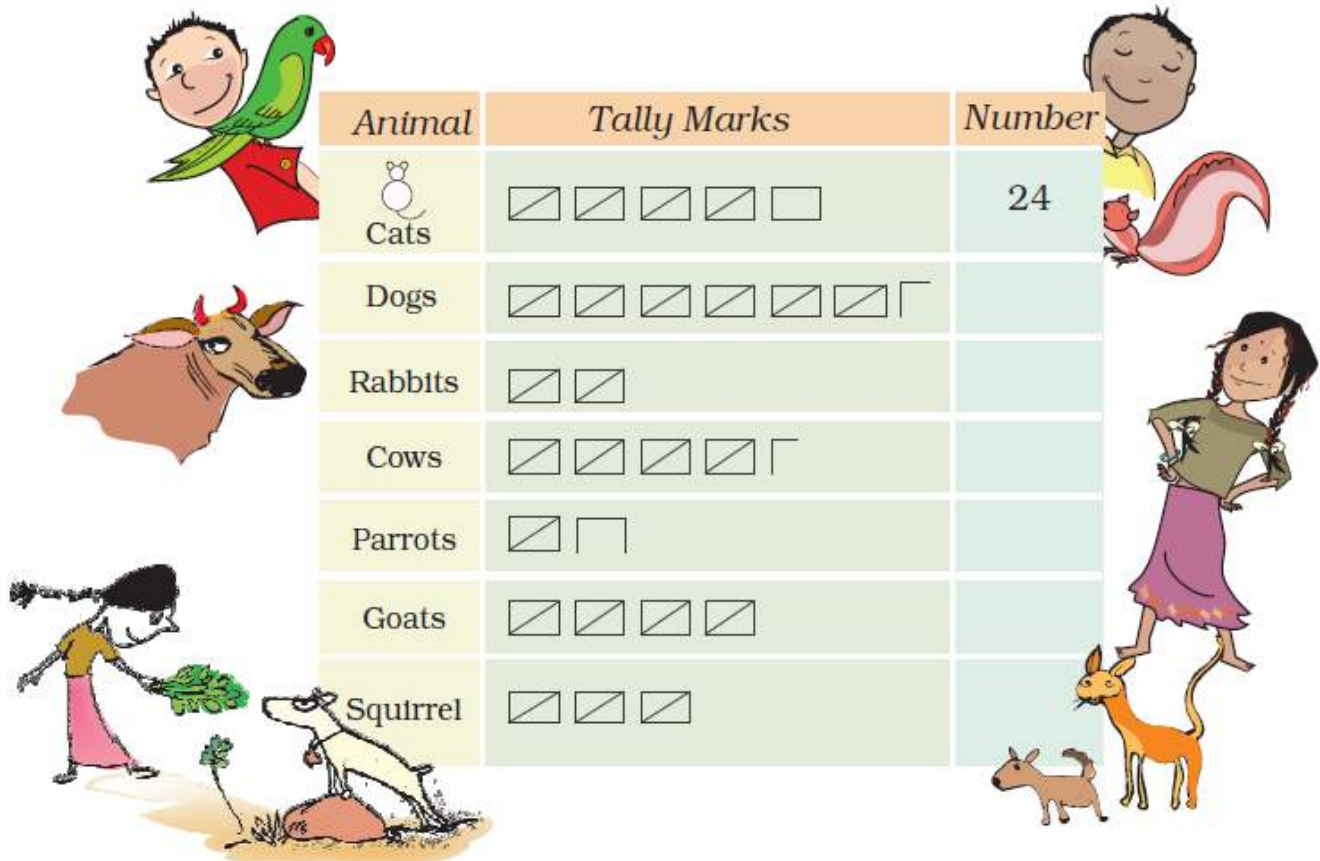



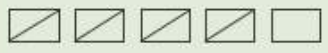

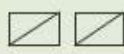
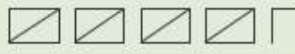

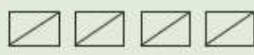

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**Chi-Chi, Meow-Meow:**

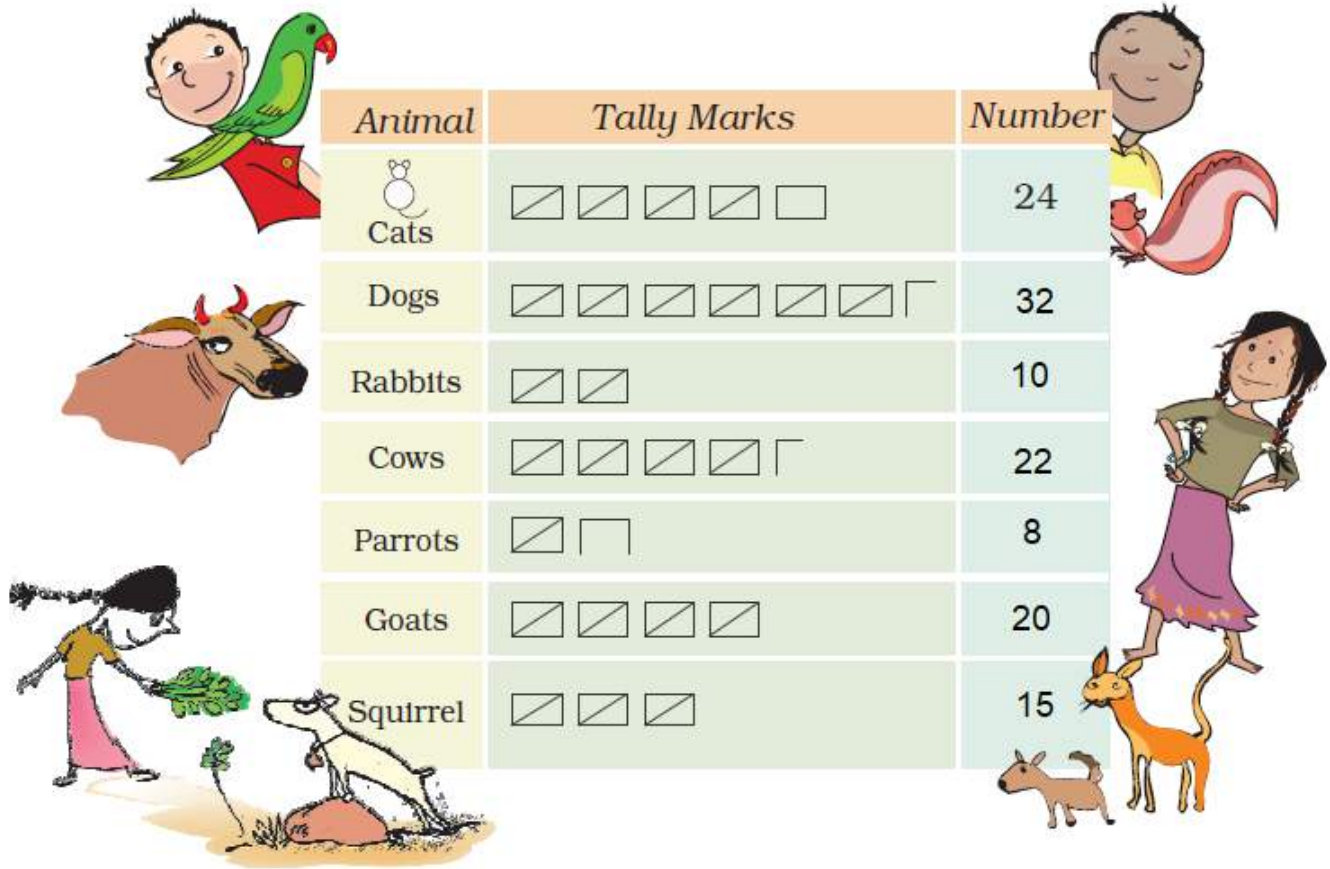
Yamini did a project 'Animals and Birds'. She asked each child of her class about one favorite pet animal.

She used tally marks to record each answer. For example if someone said cat she put one line | in front of 'cats'. When someone said cat again, she added a line. So  means two cats and  means 5 cats. In all 24 children said cat was their favorite animal. Help Yamini complete the table.



Animal	Tally Marks	Number
 Cats		24
Dogs		
Rabbits		
Cows		
Parrots		
Goats		
Squirrel		

**Solution:**



Animal	Tally Marks	Number
Cats	□/ □/ □/ □/ □	24
Dogs	□/ □/ □/ □/ □/ □/ □/ □	32
Rabbits	□/ □	10
Cows	□/ □/ □/ □/ □	22
Parrots	□/ □	8
Goats	□/ □/ □/ □	20
Squirrel	□/ □/ □	15

**1. Look at the tally marks and write the number for each animal in the table. How many children did Yamini talk to?**

**Solution:**

Yamini talked to 131 children.

**2. Which is the most favourite pet animal in this table?**

**Solution:**

Dog is the most favourite pet animal in this table.

**3. Which pet will you like to have? What will you name it? Which other animals can be kept at home? Discuss.**

**Solution:**


I would like to have a dog. I will name it Brownie. The other animals that can be kept at home are cats, rabbits, parrots, etc.

**Making Tally Marks on the Road:**

Sumita stood on the road for half an hour and counted the number of vehicles passing

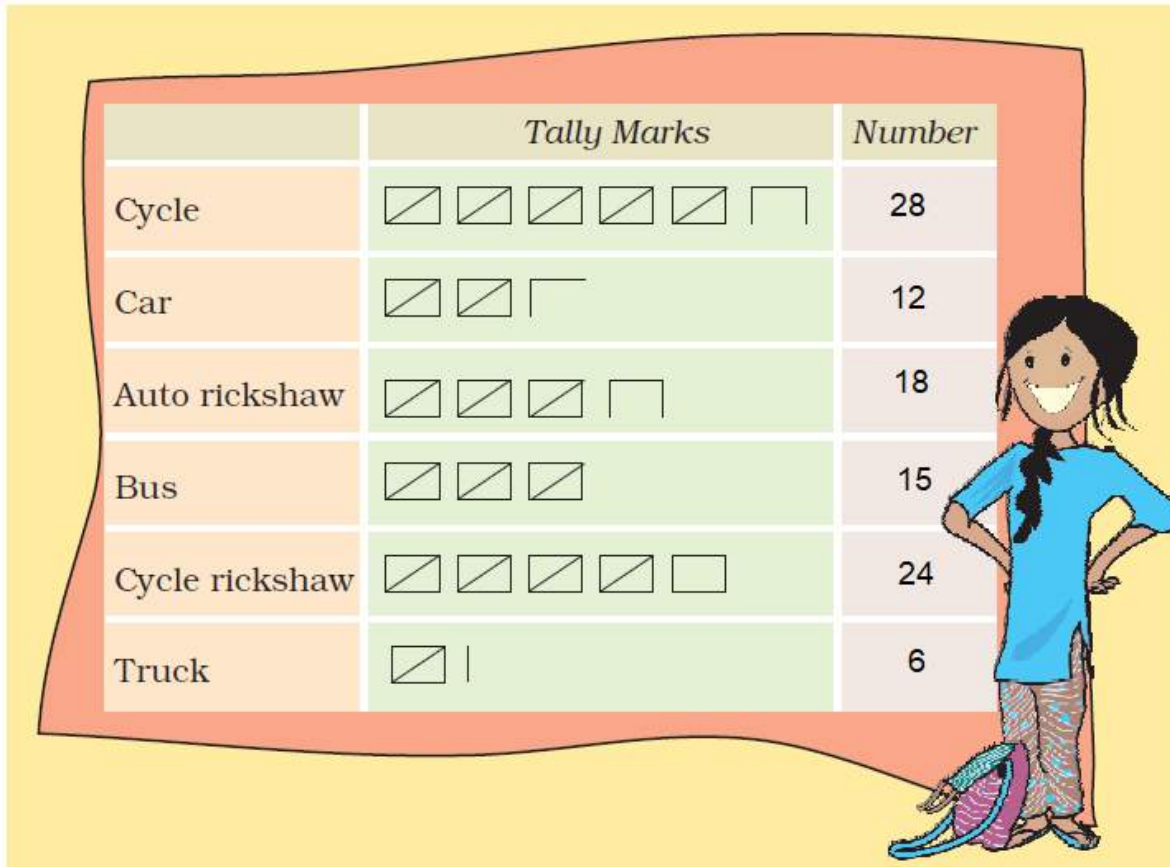
by. She made a tally mark for each vehicle. This helped her in counting quickly the total number of vehicles in each group.

	Tally Marks	Number
Cycle	▣ ▣ ▣ ▣ ▣ ▣ ▣	
Car	▣ ▣ ▣	
Auto rickshaw	▣ ▣ ▣ ▣	
Bus	▣ ▣ ▣	
Cycle rickshaw	▣ ▣ ▣ ▣ ▣	
Truck	▣	



1. Write the number of each vehicle in the table.

Solution:



**2. How many vehicles in all did Sumita see on the road in half an hour?**

**Solution:**

Sumita saw 103 vehicles in half an hour.

**3. Auto rickshaws are thrice the number of trucks — true/false?**

**Solution:**

False.

**4. Make tally marks for 7 more buses, and 2 more trucks.**

**Solution:**

Tally marks for 7 more buses:

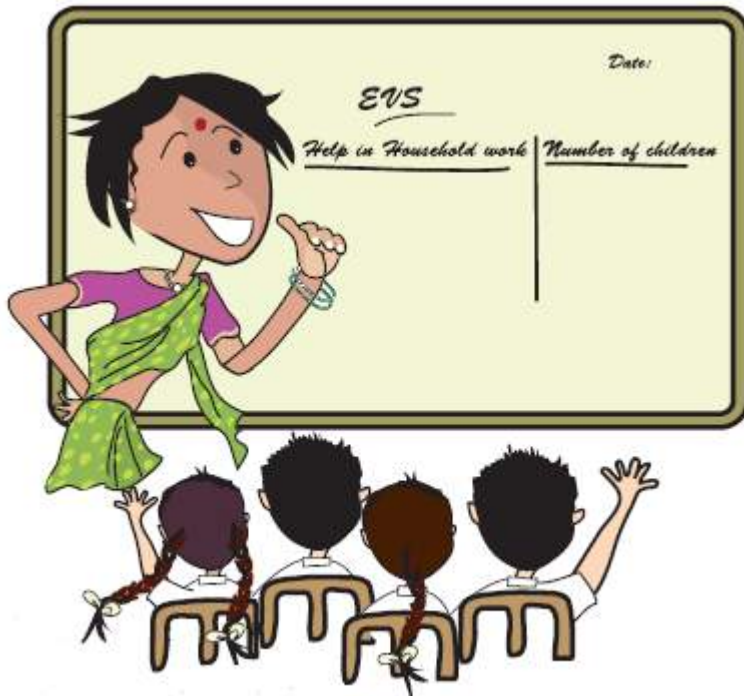


Tally marks for 2 more trucks:



**Helping Hands:**

In the EVS period, the teacher asked children whether they help their parents at home. There were different answers. Children named the work in which they help their parents the most. The teacher collected their answers and made a table.



<i>Help most in house work</i>	<i>Number of children</i>
Going to the market	47
Washing utensils	15
Washing clothes	3
Making, serving food	25
Cleaning the house	10
Total children who said they help their parents	

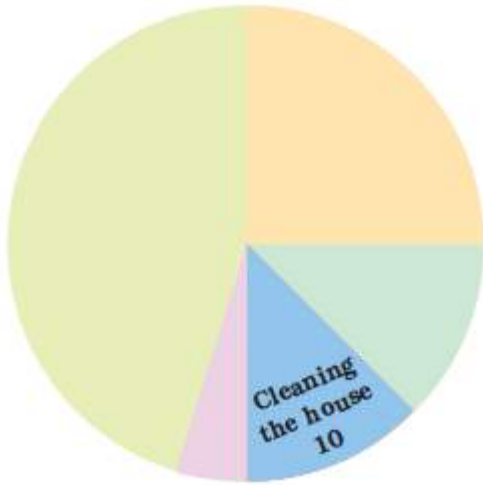
Now you can fill the chapati chart to show the numbers given in the table.

1) Look and find out:

Children who help in making or serving food are

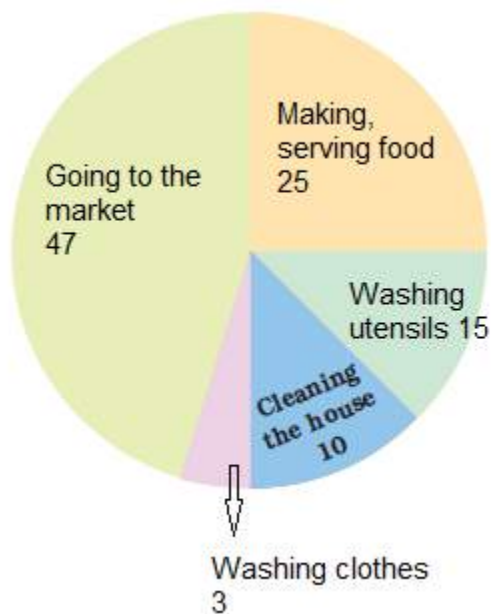
- a) One-third of the total children
- b) Half of the total children

c) One-fourth of the total children



**Solution:**

c) One-fourth of the total children



**2) Practice time:**

After school Ask 10 of your friends about what they like to do most after school

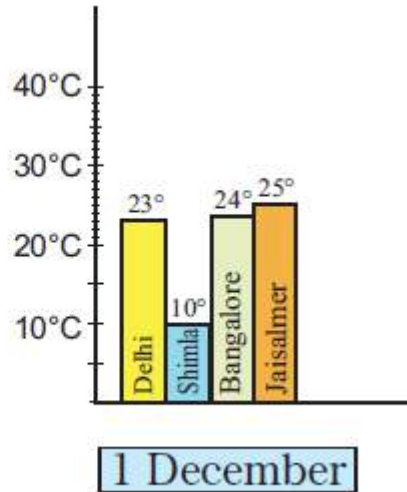
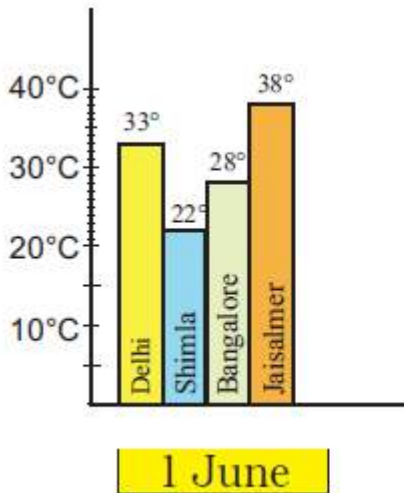
<i>What they like to do after school</i>	<i>Number of children</i>
Watching TV	
Playing football	
Reading story books	

**Solution:**

<i>What they like to do after school</i>	<i>Number of children</i>
Watching TV	42
Playing football	6
Reading story books	12
Doing homeworks	15
Cycling	2
Drawing	3

**Hot and Cold:**

Have you seen the weather report on TV or in a newspaper? These are two bar charts. These show the highest temperature (in degrees Celsius) in four cities, on two different days. The cities are Delhi, Shimla, Bangalore and Jaisalmer.



Yes, I have seen the weather report on TV or in a newspaper.

**Find out from the bar chart —**

**1. Which city is hottest on 1 June?**

**Solution:**

Jaisalmer is hottest on 1 June.

**2. Which city is coldest n 1 December?**

**Solution:**

Shimla is coldest n 1 December.

**3. Which city shows little change in temperature on the two days ----1 June and 1 December?**

**Solution:**

Bangalore shows little change in temperature on the two days.

Lowest change =  $28 - 24 = 4^{\circ} \text{C}$ .

**Rabbits in Australia:**

Earlier there were no rabbits in Australia. Rabbits were brought to Australia around the year 1780. At that time there were no animals in Australia which ate rabbits. So the rabbits began to multiply at a very fast rate. Imagine what they did to the crops! The table shows how rabbits grew every year.



<i>Time</i>	<i>Number of rabbits</i>
Start	10
1 year	18
2 year	32
3 year	58
4 year	108
5 year	
6 year	

1. After each year the number of rabbits was —
- a) A little less than double the number of rabbits in the last year.
  - b) Double the number in the last year.
  - c) 8 more than the number in the last year.
  - d) More than double the number of rabbits in the last year.

**Solution:**

- a) A little less than double the number of rabbits in the last year.

2. At the end of year 6, the number of rabbits was close to

- a) 400
- b) 600
- c) 800

**Solution:**

- a) 400

3. After which year did the number of rabbits cross 1000?

**Solution:**

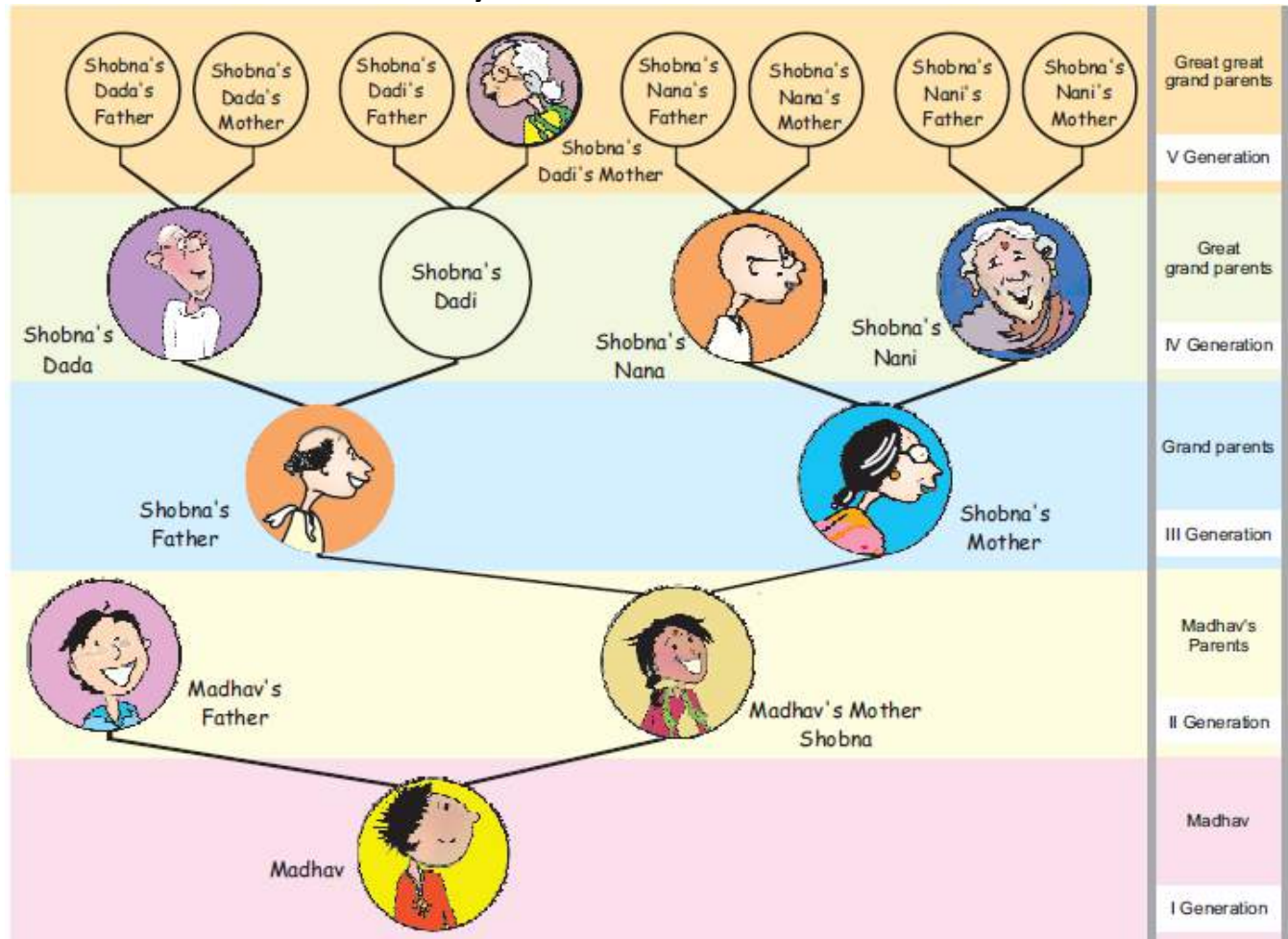
After the year 1788 the number of rabbits cross 1000.

**Family Tree:**

Madhav went to a wedding along with his parents. He met many relatives there. But

he didn't know everyone. He met his mother's grandfather, but found that her grandmother is not alive. He also found that her mother (grandmother's mother) is still alive, and is more than a hundred years old.

Madhav got confused. He couldn't imagine his mother's grandmother's mother! So, Madhav's mother made a family tree for him —



Madhav's mother helped him understand her family with the help of this drawing. You can also find out about your older generations using such a family tree.

Answer these questions:

1. How many grandparents in all does Shobna have?

**Solution:**

Shobna has four grandparents.

2. How many great, great grandparents in all does Madhav have?

**Solution:**

Madhav has eight great, great grandparents in all.

**3. How many elders will be in the VII generation of his family?**

**Solution:**

32 elders will be in the VII generation of his family.

VI generation:  $8 \times 2 = 16$

VII generation:  $16 \times 2 = 32$

**4. If he takes his family tree forward in which generation will he find 128 elders?**

**Solution:**

Number of members in VII generation of Madhav's family = 32

Number of members in VIII generation of Madhav's family =  $32 \times 2 = 64$

Number of members in IX generation of Madhav's family =  $64 \times 2 = 128$

Thus, in the IX generation, number of elders in Madhav's family will be 128.

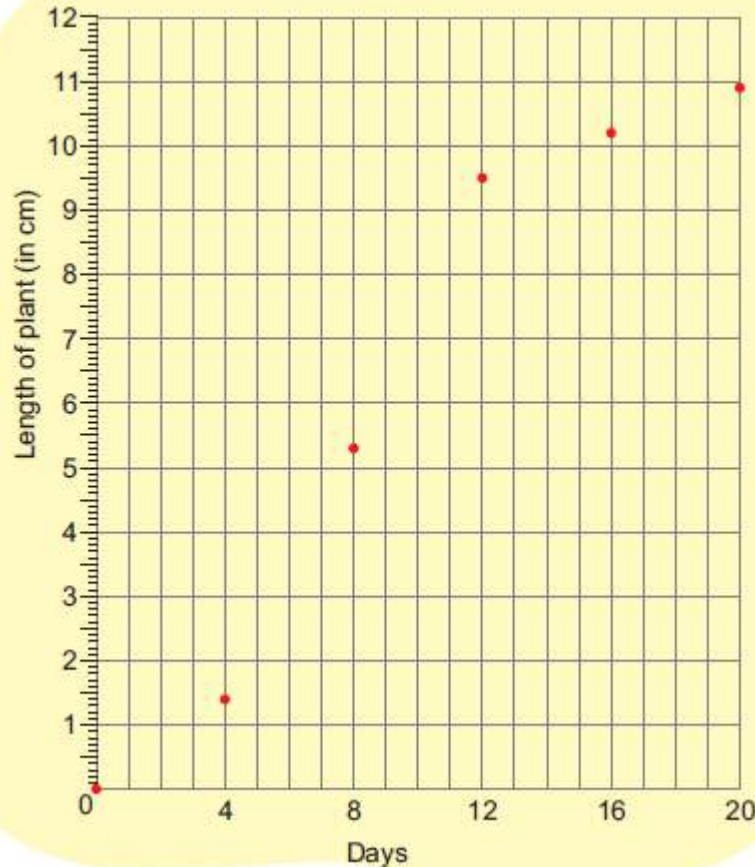
**Growth Chart of a Plant:**

Amit sowed a few seeds of moong dal in the ground. The height of the plant grew to 1.4 cm in the first four days. After that it started growing faster.

Amit measured the height of the plant after every four days and put a dot on the chart. For example if you look at the dot marked on the fourth day, you can see on the left side scale that it is 1.4 cm high.

Day	Length of the plant (in cm)
0	0
4	1.4
8	5.3
12	9.5
16	10.2
20	10.9

Now look at the height of each dot in cm and check from the table if he has marked the dots correctly.



Find out from the growth chart:

a) Between which days did the length of the plant change the most?

- i) 0-4      ii) 4-8      iii) 8-12      iv) 12-16      v) 16-20

Solution:

iii) 8-12

b) What could be the length of this plant on the 14th day? Guess.

- i) 8.7 cm      ii) 9.9 cm      iii) 10.2 cm      iv) 10.5 cm

Solution:

ii) 9.9 cm

c) Will the plant keep growing all the time? What will be its length on the 100th day?

Make a guess!

No, I think its length would be about 17-18 cm on 100th day.