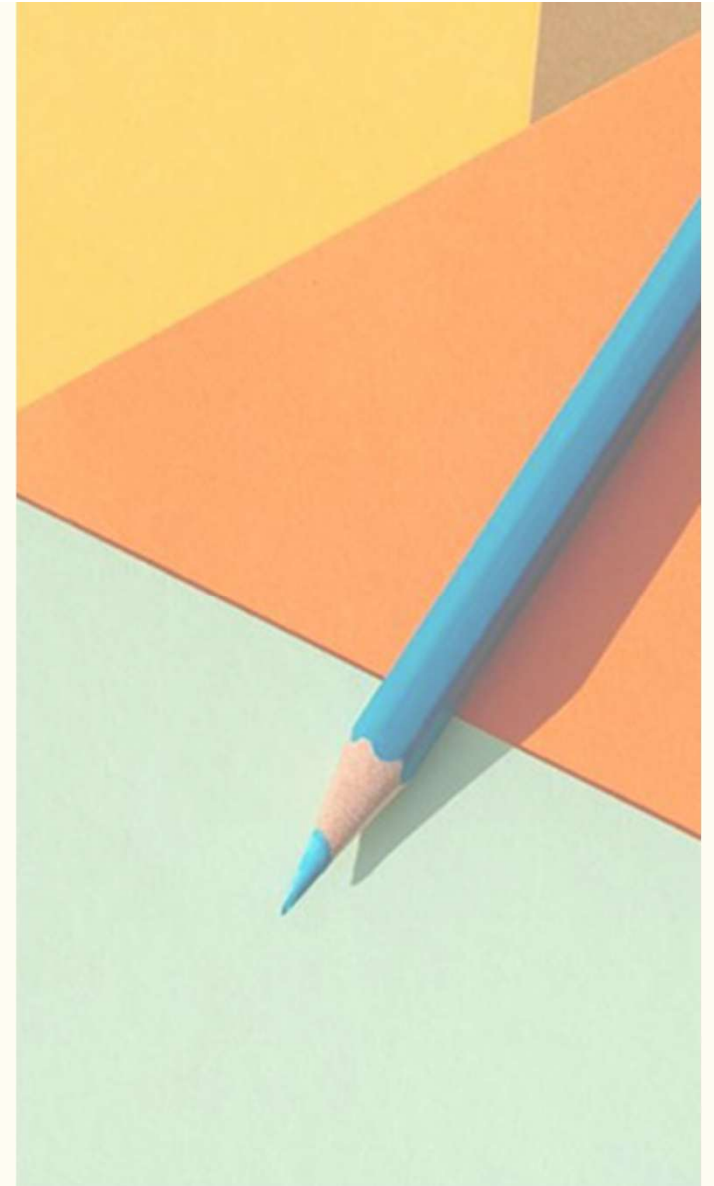


Class 7 maths

CLASS 7 MATHS GANITHA PRAKASH



Number pattern

Statement	Number
Largest 3-digit number	999
Smallest 4-digit number	1000
Largest 4-digit number	9999
Smallest 5-digit number	10,000
Largest 5-digit number	99,999
Smallest 6-digit number	1,00,000

👉 Pattern:

•Add **+1** to the largest number → gives the next smallest number

•Example:

$$999 + 1 = 1000$$

Example story

Eshwarappa, a farmer from Karnataka, visits the market to buy seeds.

- He hears a conversation about:
 - Earlier, India had about 1 lakh varieties of rice.



Key Calculation Idea

- Number of days in 1 year = **365**
- Number of days in 100 years:
- $365 \times 100 = 36,500$ days



Estimation



Conclusion:

- Only when eating **3 varieties per day**, a person can exceed **1 lakh varieties**

Varieties per day

1 per day

2 per day

3 per day

Total varieties in 100 years

36,500 ✗

73,000 ✗

1,09,500 ✓

Population example

- Figure It Out (Important Problems)
- **1** Population Comparison (2011)
- Population of Chintamani = **75,000**
- One lakh = **1,00,000**
- 🙌 Difference:
 $1,00,000 - 75,000 = 25,000$ less

- Population Comparison (2024)
- Population = **1,06,000**
- 🙌 Difference from one lakh:
 $1,06,000 - 1,00,000 = 6,000$ more

- ③ Population Increase
- From 75,000 → 1,06,000
- 🙌 Increase:
 $1,06,000 - 75,000 = 31,000$

Waterfall example

- Kunchikal Waterfall (Karnataka)
- Height \approx **450 metres**
-
- 🏢 Understanding with Comparison
- 🧑 Somu's Building
- Somu's height = **1 metre**
- Each floor \approx **4 × Somu's height = 4 metres**
- 👉 If building has ~10 floors:
- Height \approx **40 metres**

- Waterfall vs Building
- Waterfall = 450 m
- Building = 40 m
- 🙌 Difference:
 $450 - 40 = 410$ metres
-
- **3** Floors Needed to Match Waterfall
- Each floor = 4 m
- Waterfall height = 450 m
- 🙌 Number of floors:
 $450 \div 4 \approx 113$ floors (approx.)

Number

3,00,600

5,04,085

27,30,000

70,53,138


In Words

Three lakh six hundred


Five lakh four thousand eighty-five

Twenty-seven lakh thirty thousand

Seventy lakh fifty-three thousand one hundred thirty-eight

 **Examples**

•12,78,830

 Twelve lakh seventy-eight thousand eight hundred thirty

•15,75,000

 Fifteen lakh seventy-five thousand

 **Practice: Write in Words**