

ADDITION AND SUBTRACTION**MENTAL MATHS CHALLENGE | 6, 7 & 8-DIGIT NUMBERS**

Instructions: Solve every problem MENTALLY. Do NOT use pencil, paper, or a calculator. Write only the final answer. Time yourself — try to finish in 20 minutes!

Section A — Multiple Choice Questions

Circle the correct option.

1. $6,00,000 + 2,99,999 - 1,00,000 = ?$

(a) 7,99,999 (b) 8,00,000 (c) 7,00,000 (d) 6,99,999

2. $7,50,000 - 2,50,001 + 3,00,000 = ?$

(a) 8,00,000 (b) 7,99,999 (c) 7,00,000 (d) 12,99,999

3. $9,99,999 + 1 - 4,00,000 = ?$

(a) 5,99,999 (b) 6,00,001 (c) 6,00,000 (d) 14,00,000

4. $12,00,000 + 3,49,999 - 5,00,000 = ?$

(a) 10,50,000 (b) 9,49,999 (c) 10,49,999 (d) 20,49,999

5. $25,00,000 - 9,99,999 + 10,00,000 = ?$

(a) 25,00,000 (b) 24,99,999 (c) 25,00,001 (d) 45,00,001

6. $40,00,000 + 19,99,999 - 20,00,000 = ?$

(a) 40,00,000 (b) 39,99,998 (c) 79,99,999 (d) 39,99,999

7. $56,00,000 - 6,00,001 + 4,00,000 = ?$

(a) 54,00,000 (b) 53,99,998 (c) 66,00,001 (d) 53,99,999

8. $81,00,000 + 9,99,999 - 40,00,000 = ?$

(a) 51,00,000 (b) 50,99,998 (c) 40,99,999 (d) 50,99,999

9. $1,20,00,000 - 20,00,001 + 5,00,000 = ?$

(a) 1,05,00,000 (b) 1,04,99,998 (c) 95,00,001 (d) 1,04,99,999

10. $3,45,00,000 + 5,00,000 - 1,00,00,000 = ?$

(a) 2,50,00,001 (b) 2,49,00,000 (c) 4,50,00,000 (d) 2,50,00,000

Section B — Fill in the Blanks

Use mental strategies (rounding, compensation, number bonds) to find the missing number.

1. $3,00,000 + \underline{\hspace{2cm}} - 50,000 = 4,00,000$

2. $9,99,999 - 4,99,999 + \underline{\hspace{2cm}} = 8,00,000$

3. $\underline{\hspace{2cm}} + 12,50,000 - 2,50,000 = 20,00,000$

4. $45,00,000 - \underline{\hspace{2cm}} + 10,00,000 = 50,00,000$

5. $6,25,000 + 3,75,000 - \underline{\hspace{2cm}} = 7,00,000$

6. $\underline{\hspace{2cm}} - 15,00,000 + 5,00,000 = 30,00,000$

7. $72,00,000 + \underline{\hspace{2cm}} - 22,00,000 = 60,00,000$

8. $99,99,999 - 49,99,999 + \underline{\hspace{2cm}} = 60,00,000$

9. $1,10,00,000 + 15,00,000 - \underline{\hspace{2cm}} = 1,00,00,000$

10. $\underline{\hspace{2cm}} + 8,00,000 - 3,00,000 = 55,00,000$

Section C — Mental Word Problems

Read each problem carefully and solve it in your head. Write only the answer.

1. A school has 5,00,000 books. It receives 2,00,000 more books, then donates 1,50,000 books. How many books does it have now?

2. A company earned ₹12,00,000, spent ₹4,00,000, then earned ₹3,00,000 more. How much money does it have in total now?

3. A stadium had 8,50,000 spectators in a season. 2,00,000 left after the interval, then 1,00,000 more entered. How many spectators are there now?

4. A city had a population of 25,00,000. 5,00,000 people moved out and 3,00,000 people moved in. What is the population now?

5. A warehouse had 40,00,000 items. It received 10,00,000 items and shipped out 15,00,000 items. How many items are left?
6. A bank had ₹60,00,000 in deposits. ₹20,00,000 was withdrawn, and ₹5,00,000 was deposited again. What is the balance now?
7. A farm produced 7,00,000 kg of wheat. It sold 3,50,000 kg, then harvested another 2,00,000 kg. How much wheat does it have now?
8. An airline sold tickets worth ₹95,00,000, refunded ₹25,00,000, then sold ₹10,00,000 more. What are the total sales now?
9. A mobile company had 1,20,00,000 users. 20,00,000 users left and 15,00,000 new users joined. How many users does it have now?
10. A construction project had a budget of ₹3,45,00,000. ₹1,00,00,000 was spent, and ₹25,00,000 was added to the budget. What is the remaining budget?

Section D: Word Problems / Story Sums

Instructions: Read each story problem carefully.

1. A large public library owns 45,67,890 books in total. During the annual book fair, the library purchased 8,45,120 new books. Later, due to damage, 3,12,540 old books had to be removed from the collection. How many books does the library have now?
2. The population of a district was recorded as 92,34,567 in the last census. Since then, 6,78,945 people have moved into the district for work, while 4,56,230 people have moved away. What is the present population of the district?
3. A car manufacturing company produced 12,45,678 cars last year. This year, production increased by 3,21,456 cars, but 1,89,320 cars had to be recalled due to a defect. How many cars does the company have in total now?
4. A national park had 34,56,789 trees. Over two years, forest officials planted 5,67,890 new saplings, but 2,34,567 trees were lost to a storm. How many trees are there in the park now?
5. The treasury of a state had ₹5,67,89,012. The government spent ₹78,45,690 on road construction and later received ₹23,45,678 as tax revenue. What is the balance in the treasury now?

6. A textile factory had 23,45,678 metres of cloth in stock. It sold 8,90,340 metres to shopkeepers and then produced 4,56,780 more metres. How many metres of cloth does the factory have now?
7. A cricket stadium can seat 67,89,012 spectators over a tournament season. During the first half of the season, 12,34,567 tickets were cancelled, and in the second half, 9,87,654 additional tickets were sold. How many tickets are now accounted for in total?
8. An electronics company had 78,90,123 units of a product in its warehouses across the country. It exported 15,67,890 units and manufactured 6,78,901 additional units. How many units are now in the warehouses?
9. A famous amusement park welcomed 89,45,612 visitors last year. This year, due to renovation, 23,45,789 fewer visitors are expected, but a new attraction is expected to bring in 11,23,456 extra visitors. How many visitors are expected this year?
10. The annual budget of a school education board was ₹2,34,56,789. The board spent ₹45,67,890 on new school buildings and received an additional grant of ₹12,34,567 from the government. What is the board's remaining budget?

ANSWER KEY — Addition and Subtraction (Mental Maths)**Section A — MCQ**

1. (a) 7,99,999
2. (b) 7,99,999
3. (c) 6,00,000
4. (c) 10,49,999
5. (c) 25,00,001
6. (d) 39,99,999
7. (d) 53,99,999
8. (d) 50,99,999
9. (d) 1,04,99,999
10. (d) 2,50,00,000

Section B — Fill in the Blanks

1. 1,50,000
2. 3,00,000
3. 10,00,000
4. 5,00,000
5. 3,00,000
6. 40,00,000
7. 10,00,000
8. 10,00,000
9. 25,00,000
10. 50,00,000

Section C — Mental Word Problems

1. 5,50,000
2. ₹11,00,000
3. 7,50,000
4. 23,00,000
5. 35,00,000
6. ₹45,00,000

7. 5,50,000 kg

8. ₹80,00,000

9. 1,15,00,000

10. ₹2,70,00,000

Section D: Word Problems

1. 51,00,470 books

2. 94,57,282

3. 13,77,814 cars

4. 37,90,112 trees

5. ₹5,12,89,000

6. 19,12,118 metres

7. 65,42,099 tickets

8. 70,01,134 units

9. 77,23,279 visitors

10. ₹2,01,23,466