

ADDITION AND SUBTRACTION

MENTAL MATHS CHALLENGE | 4 & 5-DIGIT NUMBERS

Name: _____ Class: _____ Section: _____

General Instructions: Solve all questions mentally. Do NOT use pencil, paper, or a calculator for rough work. Every problem uses BOTH addition and subtraction

Section A — Multiple Choice Questions

Tick the correct option.

1. $45000 + 5000 - 20000 = ?$

- (a) 20000 (b) 30000 (c) 40000 (d) 25000

2. $68000 - 8000 + 15000 = ?$

- (a) 70000 (b) 75000 (c) 65000 (d) 80000

3. $90000 - 25000 + 5000 = ?$

- (a) 65000 (b) 75000 (c) 70000 (d) 72000

4. $32000 + 18000 - 30000 = ?$

- (a) 10000 (b) 20000 (c) 15000 (d) 25000

5. $77000 - 27000 + 10000 = ?$

- (a) 50000 (b) 60000 (c) 70000 (d) 65000

6. $54000 + 6000 - 40000 = ?$

- (a) 10000 (b) 15000 (c) 20000 (d) 25000

7. $99000 - 49000 + 20000 = ?$

- (a) 60000 (b) 70000 (c) 80000 (d) 75000

8. $25000 + 25000 - 30000 = ?$

- (a) 15000 (b) 20000 (c) 25000 (d) 10000

9. $84000 - 34000 + 16000 = ?$

- (a) 56000 (b) 60000 (c) 66000 (d) 70000

10. $40000 + 40000 - 55000 = ?$

- (a) 15000 (b) 20000 (c) 25000 (d) 30000

Section B – Fill in the Blanks

Find the missing number mentally.

1. $36000 + 4000 - \underline{\hspace{2cm}} = 30000$

2. $52000 - \underline{\hspace{2cm}} + 8000 = 40000$

3. $\underline{\hspace{2cm}} + 15000 - 20000 = 25000$

4. $60000 - 20000 + \underline{\hspace{2cm}} = 55000$

5. $45000 + \underline{\hspace{2cm}} - 25000 = 30000$

6. $\underline{\hspace{2cm}} - 30000 + 10000 = 20000$

7. $70000 + 5000 - \underline{\hspace{2cm}} = 50000$

8. $33000 - \underline{\hspace{2cm}} + 12000 = 25000$

9. $\underline{\hspace{2cm}} + 20000 - 35000 = 15000$

10. $88000 - 48000 + \underline{\hspace{2cm}} = 55000$

Section C – Mental Math Word Problems

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

1. A school has 45000 books. It bought 5000 new books and then donated 10000 old books to another school. How many books does the school have now?

Answer:

2. Rahul had ₹60000 in his bank account. He deposited ₹15000 and later withdrew ₹25000. How much money is left in his account?

Answer:

3. A factory produced 72000 toys. It sent 22000 toys to one shop and received 8000 more toys back from returns. How many toys are in the factory now?

Answer:

4. A stadium had 50000 spectators. During the interval, 10000 people left and 5000 new people entered. How many spectators are there now?

Answer: _____

5. A village has a population of 38000. This year 7000 people moved in and 5000 people moved out. What is the new population?

Answer: _____

6. A shopkeeper had 90000 pencils in stock. He sold 40000 pencils and got a fresh delivery of 20000 pencils. How many pencils does he have now?

Answer: _____

7. There were 65000 trees in a forest. A storm destroyed 15000 trees, but 10000 new saplings were planted. How many trees are there now?

Answer: _____

8. A company had 48000 employees. It hired 12000 more employees and later 10000 employees retired. How many employees work there now?

Answer: _____

9. An amusement park sold 55000 tickets in the morning. In the afternoon, 25000 more tickets were sold, but 10000 people got refunds. How many valid tickets remain?

Answer: _____

10. A library had 80000 books. It received a donation of 20000 books and removed 30000 damaged books. How many books are in the library now?

Answer: _____

Section D: Word problems

General Instructions: Read each word problem carefully. Every problem needs BOTH addition and subtraction to solve. Show your working and write the final answer clearly.

1. A cinema hall sold 15,624 tickets on Saturday and 18,347 tickets on Sunday. On the day of the show, 9,876 people did not turn up. How many people actually watched the movie over the two days?
2. A stationery shop had 42,350 pencils. The shop received a new stock of 12,675 pencils and sold 25,489 pencils during a sale. How many pencils are left in the shop?
3. In a marathon, 24,568 runners registered from City A and 18,932 runners registered from City B. If 6,750 registered runners could not take part on race day, how many runners actually ran the marathon?
4. A farmer harvested 36,824 kg of wheat and 19,456 kg of rice. He sold 28,900 kg of grain in the market. How many kilograms of grain does he have left?
5. A mobile company manufactured 45,678 phones in January and 32,145 phones in February. During these two months, 21,999 phones were found defective and sent back to the factory. How many phones are fit for sale?
6. A total of 52,340 people visited a fair on the first day and 27,865 people visited on the second day. If 15,670 tickets were later returned as refunds, how many valid visitors were there in total?
7. A school library has 28,745 story books and 16,890 reference books. The librarian removed 9,635 old and torn books from the shelves. How many books remain in the library?
8. A construction company had 63,500 bricks in stock. They bought 24,750 more bricks and used 41,275 bricks for a building. How many bricks are left in the stock?
9. During a book fair, 34,568 books were sold over the first two days combined, and 11,432 books were sold on the third day. If 8,900 books were later returned by customers, how many books were sold in total after the returns?

10. A wildlife sanctuary had 68,432 trees. Forest officials planted 15,678 new saplings, but a storm damaged and removed 22,110 old trees. How many trees are there now in the sanctuary?

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ANSWER KEY**Section A – Multiple Choice Questions**

1-b | 2-b | 3-c | 4-b | 5-b | 6-c | 7-b | 8-b | 9-c | 10-c

Section B – Fill in the Blanks

1. 10000 2. 20000 3. 30000 4. 15000 5. 10000 6. 40000 7. 25000 8. 20000 9. 30000
10. 15000

Section C – Mental Math Word Problems

1. 40000
2. ₹50000
3. 58000
4. 45000
5. 40000
6. 70000
7. 60000
8. 50000
9. 70000
10. 70000

Section D – Word Problems

1. 24,095 people
2. 29,536 pencils
3. 36,750 runners
4. 27,380 kg
5. 55,824 phones
6. 64,535 visitors
7. 36,000 books
8. 46,975 bricks
9. 37,100 books
10. 62,000 trees