

CBSE – Class 5

Subtraction – Mental Math (Difficult)*Mathematics Worksheet*

Name:

Class: 5

Section:

Instructions: Solve mentally using smart strategies (rounding, adjusting, compensating). Do NOT use long subtraction. Write only the final answer.

Section A: Mental Math — Solve the Following

Question	Your Answer
1. $10,00,000 - 3,99,999 = ?$	
2. $25,00,000 - 12,50,001 = ?$	
3. $50,00,000 - 24,99,999 = ?$	
4. $40,00,000 - 39,99,998 = ?$	
5. $99,99,999 - 55,55,555 = ?$	
6. $7,00,000 - 3,50,001 = ?$	
7. $82,00,000 - 41,00,000 = ?$	
8. $60,00,000 - 1 = ?$	

Section B: Mental Math — Multiple Choice Questions

Solve each problem in your head. Circle the correct option. No pencil-and-paper calculation allowed!

1. $10,00,000 - 4,00,000 = ?$

- (a) 5,00,000 (b) 6,00,000 (c) 7,00,000 (d) 4,00,000

2. $1,00,00,000 - 1,00,000 = ?$

- (a) 90,00,000 (b) 99,00,000 (c) 9,00,000 (d) 1,01,00,000

3. $20,00,000 - 1,20,000 = ?$

- (a) 18,80,000 (b) 19,80,000 (c) 18,00,000 (d) 19,00,000

4. $50,00,000 - 25,00,000 = ?$

- (a) 20,00,000 (b) 25,00,000 (c) 30,00,000 (d) 15,00,000

5. $9,00,000 - 3,00,000 = ?$

- (a) 5,00,000 (b) 6,00,000 (c) 7,00,000 (d) 4,00,000

6. 1,00,00,000 - 50,00,000 = ?

- (a) 40,00,000 (b) 50,00,000 (c) 60,00,000 (d) 45,00,000

7. $88,00,000 - 8,00,000 = ?$

- (a) 70,00,000 (b) 80,00,000 (c) 90,00,000 (d) 78,00,000

8. 10,00,000 - 1 = ?

- (a) 9,99,999 (b) 10,00,001 (c) 9,99,000 (d) 1,00,000

9. $75,00,000 - 25,00,000 = ?$

- (a) 40,00,000 (b) 50,00,000 (c) 60,00,000 (d) 45,00,000

10. $6,40,000 - 2,40,000 = ?$

- (a) 3,00,000 (b) 4,00,000 (c) 5,00,000 (d) 4,50,000

Section C: Fill in the Blanks

Use mental math strategies (rounding, compensation, place value) to fill in the blanks.

1. $10,00,000 - 4,00,000 =$ _____

$$2. 1,00,00,000 - \underline{\hspace{2cm}} = 75,00,000$$

3. $60,00,000 - 15,00,000 =$

4. $-30,00,000 = 50,00,000$

5. $9,50,000 - 1,50,000 =$ _____

6. $1,20,00,000 - 20,00,000 =$ _____

7. $44,00,000 - 4,00,000 =$

8. $10,00,000 - \quad = 3,00,000$

9. $7,77,000 - 2,77,000 =$

$$10. 90,00,000 - 45,00,000 =$$

Section D: Word Problems

Read each problem carefully and solve it mentally — no written calculations!

1. A factory had 50,00,000 units in stock and sold 25,00,000 units. How many units are left?

Answer (in your head!):

2. The population of a district was 1,00,00,000. After migration, it reduced by 1,00,000. What is the new population?

Answer (in your head!):

3. Priya had ₹10,00,000 in her account and withdrew ₹4,00,000. What is her remaining balance?

Answer (in your head!):

4. A company's target was 88,00,000 units, and it fell short by 8,00,000 units. How many units did it actually produce?

Answer (in your head!): _____

5. A city had 9,00,000 registered vehicles, and 3,00,000 were scrapped. How many vehicles remain?

Answer (in your head!): _____

6. A theme park expected 1,00,00,000 visitors, but only 50,00,000 came. How many fewer visitors came than expected?

Answer (in your head!): _____

7. A businessman had ₹75,00,000 in savings. He spent ₹25,00,000 on machinery. How much is left?

Answer (in your head!): _____

8. A construction company had a budget of ₹60,00,000 and used ₹15,00,000. How much budget is left?

Answer (in your head!): _____

9. A warehouse had 6,40,000 kg of wheat and dispatched 2,40,000 kg. How much wheat remains?

Answer (in your head!): _____

10. A telecom company had 90,00,000 subscribers, and 45,00,000 unsubscribed. How many subscribers remain?

Answer (in your head!): _____

Solve mentally — No pencil / paper for calculations!

1. $50,000 - 23,456 =$ _____

Hint: Count up from 23,456 to 50,000 in steps

2. $45,678 - 9,999 =$ _____

Hint: Subtract 10,000, then add 1 back

3. $1,00,000 - 54,321 =$ _____

Hint: Each digit: subtract from 9, last digit from 10 (9's complement!)

4. $75,000 - 37,500 =$ _____

Hint: Think — is 37,500 half of 75,000?

5. $60,000 - 27,845 =$ _____

Hint: Round 27,845 to 28,000, subtract, then adjust

6. $99,999 - 55,555 =$ _____

Hint: Subtract digit by digit — do you see a pattern?

7. $70,000 - 35,678 =$ _____

Hint: Round to 36,000, subtract, then adjust

8. $88,888 - \underline{\hspace{2cm}} = 44,444$. Find the missing number.

Hint: $88,888 - \text{what} = 44,444$?

9. $34,567 - 14,567 =$ _____

Hint: The last four digits are identical — they cancel!

10. A number is 12,345 less than 50,000. Find the number.

Hint: $50,000 - 12,345 = ?$

11. $1,00,000 - 87,654 =$ _____

Hint: Use 9's complement shortcut again!

12. $30,000 - 14,567 =$ _____

Hint: Round: $30,000 - 15,000 = 15,000$, then adjust

Subtraction – Mental Math

ANSWER KEY

Section A: Mental Math Solve the Following — Answers

1. $10,00,000 - 3,99,999 = 6,00,001$
2. $25,00,000 - 12,50,001 = 12,49,999$
3. $50,00,000 - 24,99,999 = 25,00,001$
4. $40,00,000 - 39,99,998 = 2$
5. $99,99,999 - 55,55,555 = 44,44,444$
6. $7,00,000 - 3,50,001 = 3,49,999$
7. $82,00,000 - 41,00,000 = 41,00,000$
8. $60,00,000 - 1 = 59,99,999$

Section B: Mental Math MCQs — Answers

1. (b) 6,00,000 2. (b) 99,00,000 3. (a) 18,80,000 4. (b) 25,00,000 5. (b) 6,00,000 6. (b) 50,00,000
7. (b) 80,00,000 8. (a) 9,99,999 9. (b) 50,00,000 10. (b) 4,00,000

Section C: Fill in the Blanks — Answers

1. 6,00,000 2. 25,00,000 3. 45,00,000 4. 80,00,000 5. 8,00,000 6. 1,00,00,000 7. 40,00,000
8. 7,00,000 9. 5,00,000 10. 45,00,000

Section D: Word Problems — Answers

1. 25,00,000
2. 99,00,000
3. ₹6,00,000
4. 80,00,000
5. 6,00,000
6. 50,00,000
7. ₹50,00,000
8. ₹45,00,000
9. 4,00,000 kg
10. 45,00,000

Q1. 26,544

Q2. 35,67

Q3. 45,679

Q4. 37,500

Q5. 32,155

Q6. 44,444

Q7. 34,322

Q8. 44,444

Q9. 20,000

Q10. 37,655

Q11. 12,346

Q12. 15,433