



RBI ASSISTANT 2023



MOST EXPECTED SIMPLIFICATION QUESTIONS **PART-1**

देखो, सीखो और सफल हो जाओ



MATHS

LIVE 01:00 PM



➤ Square of two digit and three digit number-

$$88^2$$

$$46^2$$

$$77^2$$

$$42^2$$



➤ Square of two digit and three digit number-

$$112^2$$

$$125^2$$



➤ **Addition and Subtraction-**

Question 1- $4514 + 2438 + 516$

A. 7568

B. 7468

C. 6468

D. 2268

E. None of these



Question 2- $34768 + 55348 + 8146 = ?$

A. 88262

B. 55262

C. 98262

D. 12362

E. None of these



Question 3- 25625 - 14214

A. 11413

B. 11414

C. 11411

D. 12411

E. None of these



➤ Cube

$$(a + b)^3 = a^3 + b^3 + 3ab(a + b)$$



➤ Cube & Cube root



➤ Square Root

$$1^2 = 1$$

$$2^2 = 4$$

$$3^2 = 9$$

$$4^2 = 16$$

$$5^2 = 25$$

$$6^2 = 36$$

$$7^2 = 49$$

$$8^2 = 64$$

$$9^2 = 81$$



➤ Cube Root

$$\sqrt[3]{46656}$$

$$\sqrt[3]{389017}$$

$$1^3 = 1$$

$$2^3 = 8$$

$$3^3 = 27$$

$$4^3 = 64$$

$$5^3 = 125$$

$$6^3 = 216$$

$$7^3 = 343$$

$$8^3 = 512$$

$$9^3 = 729$$



➤ Multiplication

- Question 1- 108×107
- Question 2- 112×113
- Question 3- 96×94



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Question 1- $68^2 + 75^2 + 114^2 = ?$

- A. 11845
- B. 22845
- C. 33845
- D. 44845
- E. None of these



$$\triangleright 52 \times 48 + 108 \times 106 - 12^3 = ?$$

$$\triangleright 52 \times 48 + 108 \times 106 - 12^3 = ?$$

A. 11116

B. 12222

C. 12236

D. 12216

E. None of these



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Question 3- $(200 + 400 \div 2 \text{ of } 0.25 - 250) \div ? = 50$

प्रश्न 3- $(200 + 400 \div 2 \text{ का } 0.25 - 250) \div ? = 50$

- A. 10
- B. 12
- C. 13
- D. 15
- E. None of these



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Question 4- 30% of $450 - 33.33\%$ of $540 + ? = 100$

प्रश्न 4- 450 का 30% - 540 का 33.33% + $? = 100$

- A. 45
- B. 245
- C. 445
- D. 145
- E. None of these



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Question 5- $[(4/5 \text{ of } 400 + 2/7 \text{ of } 126) - (45 \times 4 + 40 \times 3/8)] = ?$

प्रश्न 5- $[(400 \text{ का } 4/5 + 126 \text{ का } 2/7) - (45 \times 4 + 40 \times 3/8)] = ?$

A. 2

B. 3

C. 4

D. 1

E. None of these



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Question 6- $\sqrt{8649} + 48 \times 42 - 2430 \div 3$

A. 1199

B. 1399

C. 1499

D. 2299

E. None of these



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Question 7- 11.11% of $8100 + 23.23\%$ of $9900 = ?$

A. 1230

B. 2300

C. 4100

D. 3200

E. None of these



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Question 8- $\sqrt[3]{421875} + 19.19\% \text{ of } 19800 + 45 \times 45$

A. 9500

B. 4550

C. 2750

D. 5900

E. None of these



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A. $16\frac{5}{12}$

B. $12\frac{1}{12}$

C. $\frac{11}{12}$

D. $\frac{11}{16}$

E. None of these

Question 9- $5\frac{1}{4} + 3\frac{5}{6} = ? - 7\frac{1}{3}$



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Question 10- 14.28% of 2800 + 42.84% of 1400 + 23.23% of 11500 = ?

प्रश्न 10- 2800 का 14.28% + 1400 का 42.84% + 11500 का 23.23% = ?

A. 2000

B. 1200

C. 1500

D. 2300

E. None of these

