



SBI CLERK 2023



रूपनार Batch

- Simplification
- Quadratic Equation
- Data Interpretation - (Table)
- Data Interpretation - (PIE-Chart)

MATHS

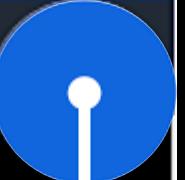
Day-1

हल करो सब कुछ चुटकियों में

LIVE

11:00 AM





$$68^2 = 4624 \\ 3664 \\ \underline{+ 96} \\ \hline 4624$$

$$(115)^2 = 13225$$

$$(75)^2 = 5625$$

Q

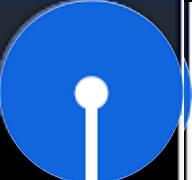
$$\begin{aligned} &= \underline{\underline{4}}\underline{\underline{6}}\underline{\underline{2}}\underline{\underline{4}} + \underline{\underline{5}}\underline{\underline{6}}\underline{\underline{2}}\underline{\underline{5}} + \underline{\underline{1}}\underline{\underline{3}}\underline{\underline{2}}\underline{\underline{2}}\underline{\underline{5}} \\ &= 22000 \\ &\quad 1400 \\ &\quad \underline{74} \\ &\hline 23474 \end{aligned}$$

Question 1- $68^2 + 75^2 + 115^2 = ?$

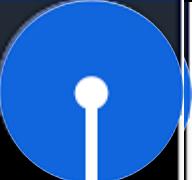
- A. 23574
- B. 25674
- C. 33473
- D. 22474
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



$$62 \times 68 = 4216$$

Question 2- $62 \times 68 + 110 \times 120 - 14^3 = ?$

$$= 4216 + 13200 - 2744$$

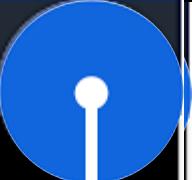
$$= 17416 - 2744$$

$$= 14672$$

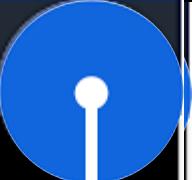
- A. 12672
- B. 22672
- C. 23672
- D. 11672
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



१/५

✗

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

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

$$50 = \left(200 + 400 \div \frac{1}{2} - 250 \right) \div x$$

$$50 = \frac{200 + 800 - 250}{x}$$

00:20
250

$$50 = \frac{15}{x}$$

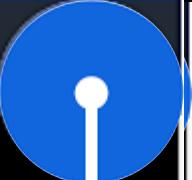
$$x = 15$$

==

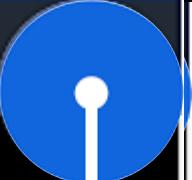
- A. 10
- B. 20
- C. 5
- D. 8
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 4- ~~60%~~ of ~~450~~ - 33.33% of 540 + ? = 100

प्रश्न 4- 450 का 60% - 540 का 33.33% + ? = 100

$$270 - \frac{1}{3} \times 540 + x = 100$$

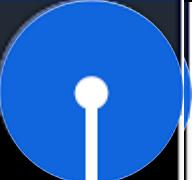
$$x = 100 - 90$$

$$\underline{\underline{x = 10}}$$

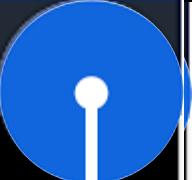
- A. 143
- B. 123
- C. 133
- D. 153
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 5- $[(4/5 \text{ of } 400 + 2/3 \text{ of } 126) - (55 \times 4 + 40 \times 3/8)] = ?$

प्रश्न 5- $[(400 \text{ का } 4/5 + 126 \text{ का } 2/3) - (55 \times 4 + 40 \times 3/8)] = ?$

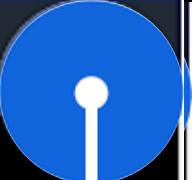
$$\begin{aligned}x &= \left[\frac{4}{5} \times 400 + \frac{2}{3} \times 126 \right] - \left[220 + \frac{3}{8} \times 40 \right] \\&= 404 - 235 \\&= \underline{\underline{169}}\end{aligned}$$



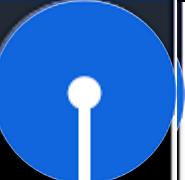
- A. 169
- B. 159
- C. 129
- D. 119
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



$$11\% = \frac{1}{9}$$

$$23\% = \frac{23}{99}$$

Question 6- 11.11% of 5400 + 23.23% of 49500 = ?

प्रश्न 6- 5400 का 11.11% + 49500 का 23.23% = ?

$$\frac{1}{9} \times \cancel{5400}^600 + \frac{23}{99} \times \cancel{49500}^500$$

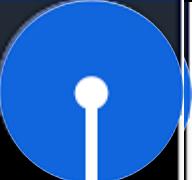
$$\begin{aligned} &= 600 + 1150 \\ &= \underline{\underline{12100}} \end{aligned}$$

- A. 13100
- B. 11100
- C. 12100
- D. 14100
- E. None of these

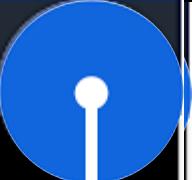


SBI CLERK 2023

रफ्तार Batch



<https://t.me/mathbytarunsirmep>



$$\sqrt[3]{421875} = 75$$

$$\frac{19}{99} \times \frac{100}{9900} = 1900$$

Question 7- $\sqrt[3]{421875} + 19.19\% \text{ of } 9900 + \underline{\underline{45 \times 45}}$

$$= 75 + 1900 + 2025$$

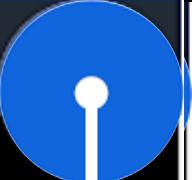
$$= 4000$$



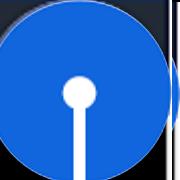
- A. 3300
- B. 2210
- C. 1100
- D. 4000
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



14.28%
1 = $\frac{1}{7}$

Question 8- 14.28% of 1400 + 42.84% of 2100 + 23.23% of 99 = ?

प्रश्न 8- 1400 का 14.28% + 2100 का 42.84% + 99 का 23.23% = ?

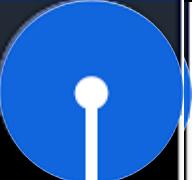
$$\begin{aligned} &= \frac{1}{7} \times \cancel{1400}^{\cancel{200}} + \frac{3}{7} \times \cancel{2100}^{\cancel{300}} + \frac{23}{99} \times \cancel{99}^1 \\ &= \underline{\underline{1123}} \end{aligned}$$



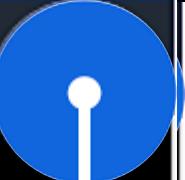
- A. 1123
- B. 1133
- C. 1223
- D. 1233
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 9- $11.11\% \text{ of } 900 + 22.22\% \text{ of } 1800 - 44.44\% \text{ of } 3600 = ?$

प्रश्न 9- 900 का 11.11% + 1800 का 22.22% - 3600 का 44.44% = ?

$$= \frac{1}{9} \times \cancel{900}^{100} + \frac{2}{9} \times \cancel{1800}^{400} - \frac{4}{9} \times \cancel{3600}^{1600}$$

$$= 500 - 1600$$

$$= \underline{\underline{-1100}}$$

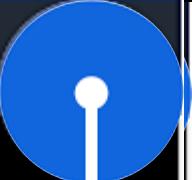
$$\frac{xy \cdot xy}{99} = \frac{xy}{99}$$



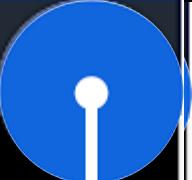
- A. 1100
- B. 1200
- C. -1100
- D. -1300
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 10- ~~9.09%~~ of 3300 + 36.36% of 4400 + 45.45% of 2200 =?

प्रश्न 10- 3300 का 9.09% + 4400 का 36.36% + 2200 का 45.45% =?

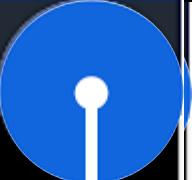
$$\begin{aligned} &= \frac{1}{11} \times \cancel{3300}^300 + \frac{4}{11} \times \cancel{4400}^400 + \frac{5}{11} \times \cancel{2200}^200 \\ &= \underline{\underline{2900}} \end{aligned}$$



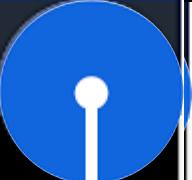
- A. 1900
- B. 3900
- C. 2900
- D. 1600
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 11- ~~12.5%~~ of 6400 + ~~62.5%~~ of 8000 - ~~37.5%~~ of 1600 = ?

प्रश्न 11- 6400 का 12.5% + 8000 का 62.5% - 1600 का 37.5% = ?

$$= \frac{1}{8} \times \cancel{6400}^{860} + \frac{5}{8} \times \cancel{8000}^{1000} - \frac{3}{8} \times \cancel{1600}^{200}$$

$$= 500 - 600$$

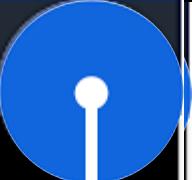
$$= \underline{\underline{5200}}$$



- A. 4200
- B. 3200
- C. 3300
- D. 5200
- E. None of these



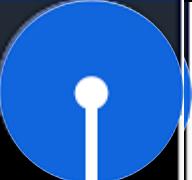
SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



SBI CLERK 2023 रफ्तार Batch



$$(a+b)(a-b) = a^2 - b^2$$

$$(30+3)(30-3)$$

$$(100 - 1) \times 24$$

$$\begin{array}{r} 2400 \\ - 24 \\ \hline 2376 \end{array}$$

Question 11- $\overline{33 \times 27 + 99 \times 24 + 2560 \div 8} = ?$

$$= 891 + 2376 + 320$$

$$= \underline{\underline{3587}}$$



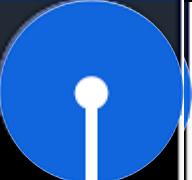
9923

2376

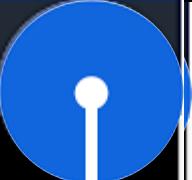
- A. 2587
- B. 3587
- C. 1187
- D. 5587
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 12 - $30\% \text{ of } 140 + \sqrt[3]{2197} - 4 = ?$

प्रश्न 12- $140 \text{ का } 30\% + \sqrt[3]{2197} - 4 = ?$

$$= 42 + 13 - 4$$

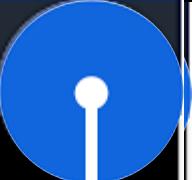
$$\begin{aligned} &= 55 - 4 \\ &= \underline{51} \end{aligned}$$



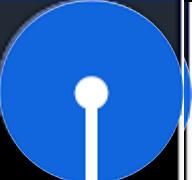
- A. 41
- ~~B. 51~~
- C. 71
- D. 51
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 13- ~~(⁶⁰₃₆₀) + (⁹₅₄) ÷ 6 - 10 = ?~~

$$= 69 - 10$$

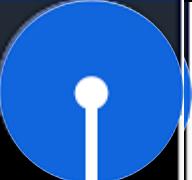
$$= \underline{\underline{59}}$$



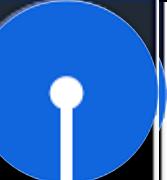
- A. 49
- B. ~~59~~
- C. 29
- D. 39
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



$$\begin{array}{r} 96 \\ \times 94 \\ \hline 96-6=90 \quad 24 \end{array}$$

$$\begin{array}{r} 102 \\ + 7 \\ \hline 109 \quad 14 \end{array}$$

Question 14- 96×94 + 102×107 - $24800 \div 8$ = ?

$$= 9024 + 10914 - 3100$$

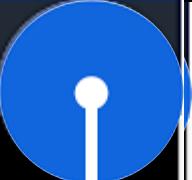
$$= 19038 - 3100$$

$$= 16038$$

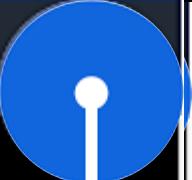

- A. 16838
- B. 15848
- C. 16844
- D. 13538
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>

Question 16- 7600 + 3188 + 4463 = ?

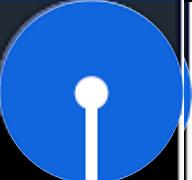
$$\begin{array}{r} & | 4000 \\ & | 100 \\ & | 151 \\ \hline & | 1525 \end{array}$$



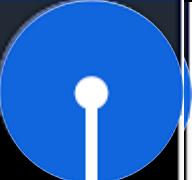
- A. 11251
- B. 13251
- C. 14251
- D. 15251
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 17- $666 \div 37 + 4572 - 2346 = ?$

~~3
111x6
37~~

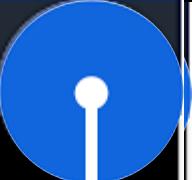
$$\begin{aligned} &= 18 + 4572 - 2346 \\ &= 4590 - 2346 \\ &= \boxed{00:20} \end{aligned}$$

~~54~~
~~90~~
~~144~~

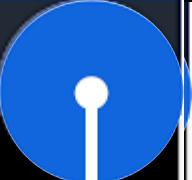
- A. 2244
- B. 3344
- C. 1144
- D. 4444
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 18- $\frac{4}{13}$ of ~~16900~~ ¹³⁰⁰ + $\frac{5}{17}$ of ~~1700~~ ¹⁰⁰ - 37.5% of 400 = ?

$$\cancel{3} \times \cancel{400}$$

$$= 5200 + 500 - 150$$

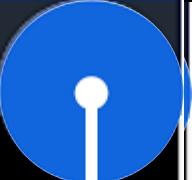
$$= \underline{\underline{5550}}$$



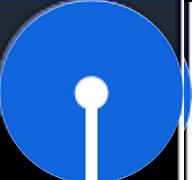
- A. 4440
- B. 5550
- C. 4550
- D. 3550
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 19- 20% of 1500 + 75% of 1200 – 40% of 500 = ?

प्रश्न 19- 1500 का 20% + 1200 का 75% – 500 का 40% = ?

$$= 300 + \frac{3}{4} \times 1200 - 200$$

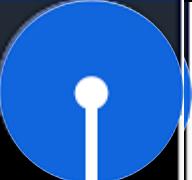
$$= \underline{1000}$$



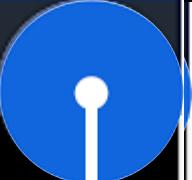
- A. 1200
- B. 1000
- C. 1100
- D. 1300
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 20- $20\% \text{ of } 45 \times 50\% \text{ of } 20 \times ? = 810$

प्रश्न 3- $45 \text{ का } 20\% \times 20 \times \text{ का } 50\% ? = 810$

$$\cancel{\frac{1}{5}} \times \cancel{45} \times \cancel{\frac{1}{2}} \times \cancel{20} \times x = 810$$

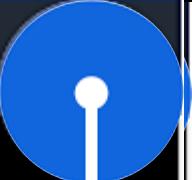
$$x = 9$$

00:20

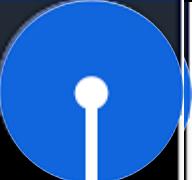
- A. 9
- B. 7
- C. 8
- D. 6
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 21- $(2.89)^6 \div (4913 \div 1000)^3 \times (0.17 \times 10)^5 = (1.7)^{? - 5}$

$$\Rightarrow [1.7^2]^6 \div [1.7^3]^3 \times [1.7]^5 = (1.7)^{x-5}$$

$$\Rightarrow \frac{1.7^{12}}{1.7^9} \times 1.7^5 = (1.7)^{x-5}$$

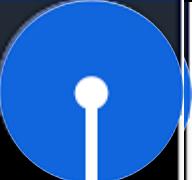
$$(1.7)^8 = (1.7)^{x-5}$$



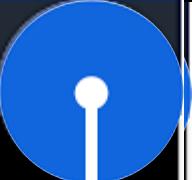
- A. 13
B. 11
C. 8
D. 9
E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>



Question 22- $\frac{1}{4}$ of 44 + 50% of 240 = ?% of 26200

प्रश्न 10- 44 का 25% + 240 का 50% = 26200 का ?%

$$11 + 120 = 262 \times x$$

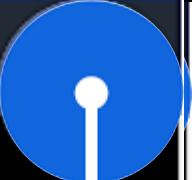
$$x = \frac{131}{262} = \frac{1}{2}$$

$$x = \frac{0.5}{1}$$

- A. 0.1
- B. 0.2
- C. 0.5
- D. 0.4
- E. None of these



SBI CLERK 2023 रफ्तार Batch



<https://t.me/mathbytarunsirmep1>

<https://t.me/mathbytarunsirmep>