

Simplification for SBI PO Prelims

guidely

Guidely Xpress Video Package

Subscribe Now to Get Unlimited Access

Complete Package for Bank Exams

**All IBPS | SBI
RBI Exams**

**Recorded Video Course + Exam wise Live Classes
+ Complete Mock Test Series**

- ✓ 1200+ Mock Tests for Bank, Insurance, Railway and SSC
- ✓ 500+ Videos for Bank and Insurance Exams
- ✓ 350+ Hours Video Classes (Individual Live Classes)
- ✓ Personal Guidance in Telegram Group
- ✓ Life Time Validity
- ✓ Access on Mobile & Desktop



IBPS Clerk Prelims 2020

Special Paid Bundle PDF

Reasoning | Aptitude | English

3500+ Questions
Exactly on Exam Level

Just @ Rs. 199/-

Get it Now

Practice this Single PDF & Ensure your Success



**Get Our
Official
Mobile App
for More
Free PDFs**



**Special Paid
Bundle PDF
High Level
Puzzles &
Seating**

**For All Bank
Clerk/ PO
Mains Exams**



Simplification for SBI PO Prelims

Simplification

1. $(0.64)^{78} \div (0.512)^{39} = (0.8)^?$

A.32

B.42

C.39

D.48

E.57

2. $741 * 5 \div 3 + 10^2 = ? + 870$

A.400

B.450

C.465

D.470

E.None of these

3. $17^2 * 4913 = 17^?$

A.5

B.10

C.15

D.20

E.None of these

4. $3 \frac{1}{2}$ of 48 + $7 \frac{1}{2}$ of 184 = ?

A.1500

B.1490

C.1548

D.1899

E.None of these

5. $(9 * 9 + 64 - 8 * 9)/(729 + 8^3) = ?$

A.1/13

B.1/15

C.1/17

D.1/19

E.None of these

6. $18\% \text{ of } 4500 - 4 * 8^2 = ?^2 - 22$

A.12

B.24

C.34

D.51

E.None of these

7. $20\% \text{ of } 1200 - 5 * 3^2 = ?^2 - 30$

A.5

B.10

C.15

D.20

E.None of these

8. $(1/4) * 3040 - (2/5) * ? = 140 * 4$

A.450

B.480

C.500

D.520

E.540



Simplification for SBI PO Prelims

9. $\sqrt{2304} \div \sqrt[3]{(1728)} + \sqrt[2]{(3025)} * \sqrt{16} = ?$

A.224

B.228

C.232

D.236

E.240

10. 20% of 400 + ?% of 280 = 150

A.30

B.35

C.20

D.25

E.40

11. $\sqrt{2809} + \sqrt{441} = \sqrt{4096} + ?$

A.8

B.10

C.12

D.15

E.18

12. $(3283/67) - (377/13) = ?$

A.10

B.15

C.20

D.25

E.5

13. $(44/395) * (79/352) * ? = 5$

A.200

B.240

C.180

D.120

E.280

14. $\sqrt{6561} + \sqrt{3721} - \sqrt{1369} = ?$

A.120

B.125

C.115

D.105

E.100

15. 30 % of 360 + 75% of 80 + 83.33 % of 240 = ?

A.388

B.368

C.378

D.358

E.348

16. $22^2 - 8^2 + 18 * 31 = ? * 6$

A.156

B.158

C.163

D.167

E.171

17. $7 \frac{2}{3} + 4 \frac{1}{2} - \frac{1}{6} = ?/4 * 48$

A.1

B.35



Simplification for SBI PO Prelims

C.17

D.41

E.None of these

18. $(123 + 82 - 42 - 18) = ?^4 + 64$

A.1

B.2

C.3

D.4

E.None of these

19. $420 \div 7 + 20 \% \text{ of } 140 + ? * 13 = 61 * \sqrt{16}$

A.12

B.10

C.13

D.11

E.14

20. $18 * 19 + 45 * 5 - 23 * 12 = ?$

A.281

B.268

C.254

D.221

E.291

21. $22^2 \div 11 \times 6 + 16^2 = 3 \times ? - 11^3$

A.593

B.645

C.687

D.729

E.None of these

22. $35 * 8 + 30 \% \text{ of } 160 + ? * 7 = 433$

A.12

B.15

C.18

D.21

E.24

23. $(9040 \div 113) * 12.5 = ?$

A.1000

B.1020

C.1040

D.1060

E.1200

24. $20 \% \text{ of } 400 + ? \% \text{ of } 280 = 150$

A.30

B.35

C.20

D.25

E.40

25. $20 \% \text{ of } 5000 - 3 * 5^2 = ?^2 - 36$

A.21

B.31

C.41

D.51

E.None of these



Simplification for SBI PO Prelims

26. $240 - 5^3 + 47^2 = ?$

- a) 2694
- b) 2464
- c) 2766
- d) 2324
- e) 2456

27. $1908 \div 18 \times 12 + 24 = ?^2$

- a) 36
- b) 33
- c) 34
- d) 35
- e) 38

28. $430\% \text{ of } 600 - 80\% \text{ of } 420 - 5.3\% \text{ of } 9000 = ?$

- a) -1767
- b) 424
- c) 1767
- d) -424
- e) 972

29. $(6764 - 7455 + 2467) - (4273 + 2732 - 5314) = ?$

- a) 35
- b) 36
- c) 37
- d) 85

e) 43

30. $(3/5) \text{ of } (2/7) \text{ of } (35/18) \text{ of } ? = 405$

- A.1375
- B.1275
- C.1285
- D.1215
- E.1325

31. $45879 + 24856 + 1245 + 214 - 101 = ?$

- A.72093
- B.18581
- C.26548
- D.65412
- E.96547

32. $16\% \text{ of } 450 * ?\% \text{ of } 880 = 3168$

- A.6
- B.2
- C.11
- D.8
- E.5

33. $32\% \text{ of } 1900 - (1/9) \text{ of } (?) = 54$

- A.5562
- B.5178
- C.4986
- D.4214
- E.None of these



Simplification for SBI PO Prelims

34. 60% of 310 + 20% of 150 + 125% of 64 = ?

- A.290
- B.293
- C.286
- D.276
- E.296

35. $(21 \times 11 + 8 \times 5 + 65) \div [(12)^2 + \sqrt{576}] = ?$

- A.2
- B.5
- C.13
- D.18
- E.None of these

36. $4\frac{2}{3} + 8\frac{1}{3} = ? - 3\frac{1}{3}$

- A.7/3
- B.49/3
- C.40/3
- D.32/3
- E.None of these

37. x% of 200 + 15% of 300 = 55

- A.3
- B.5
- C.7
- D.9
- E.None of these

38. $594 \div (22\% \text{ of } 150) + ? = \sqrt{1225}$

- A.10

B.12

C.15

D.20

E.17

39. $14^2 * 9 \div 7 + 8 * 12 + 25 = ?$

A.324

B.348

C.361

D.373

E.389

40. 40% of 900 – 164 = ? + 8% of 1200

- a) 100
- b) 120
- c) 150
- d) 80
- e) 140

41. $171 \div 19 * 18 - 134 = ?$

A.28

B.22

C.20

D.27

E.29

42. $236 \div 4 + 308 \div 44 + 120 \% \text{ of } 280 = ?$

A.401

B.402

C.403



Simplification for SBI PO Prelims

D.404

E.409

43. $150 + 1120 = 16 \times 456 \div 3 + ? - 5100$

A.3938

B.3524

C.4156

D.4372

E.None of these

44. $75 \% \text{ of } 36 + 45 \% \text{ of } 140 + 20 \% \text{ of } 60 = ?$

A.101

B.102

C.103

D.104

E.110

45. $1 \frac{1}{3} \text{ of } 96 + 3 \frac{2}{4} * 120 = ?$

A.210

B.320

C.486

D.548

E.None of these

46. $850 \div 25 * 2 + 15 - 12 = ?$

A.61

B.71

C.81

D.91

E.None of these

47. $16 \% \text{ of } 750 + ? \% \text{ of } 400 = 1140$

A.320

B.375

C.280

D.255

E.None of these

48. $\sqrt{529} * 4 + 45 \% \text{ of } 80 - 19 * 5 = ?$

A.33

B.37

C.45

D.41

E.29

49. $15 \% \text{ of } 480 + 80 \% \text{ of } 320 + 20 \% \text{ of } 60 = ?$

A.320

B.340

C.360

D.380

E.400

50. $85 * 25 + 75 * 12 - 60 * 23 = ?$

A.1245

B.1345

C.1445

D.1545

E.1645



Simplification for SBI PO Prelims

Answer and Explanation

1. Answer: C

$$(0.64)^{78} \div (0.512)^{39} = (0.8)^?$$

$$0.8^{(78 \times 2 - 39 \times 3)} = (0.8)^?$$

$$? = 39$$

2. Answer: C

$$741 \times 5 \div 3 + 10^2 = ? + 870$$

$$\Rightarrow 1235 + 100 - 870$$

$$\Rightarrow 465$$

3. Answer: A

$$17^2 \times 4913 = 17^?$$

$$\Rightarrow 17^2 \times 17^3 = 17^?$$

$$\Rightarrow 2 + 3 = ? = 5$$

4. Answer: C

$$3 \frac{1}{2} \text{ of } 48 + 7 \frac{1}{2} \text{ of } 184$$

$$\Rightarrow 7/2 \times 48 + 15/2 \times 184$$

$$\Rightarrow 168 + 1380$$

$$\Rightarrow 1548$$

5. Answer: C

$$(9 \times 9 + 64 - 8 \times 9)/(729 + 8^3) = ?$$

$$\Rightarrow (9^2 + 8^2 - 8 \times 9)/(9^3 + 8^3)$$

$$[(a^2 + b^2 - ab)/(a^3 + b^3) = 1/(a + b)]$$

$$\Rightarrow 1/(9 + 8)$$

$$\Rightarrow 1/17$$

6. Answer: B

$$18\% \text{ of } 4500 - 4 \times 8^2 = ?^2 - 22$$

$$\Rightarrow 810 - 256 + 22 = ?^2$$

$$\Rightarrow 554 + 22 = ?^2$$

$$\Rightarrow 24 = ?$$

7. Answer: C

$$20\% \text{ of } 1200 - 5 \times 3^2 = ?^2 - 30$$

$$\Rightarrow 240 - 45 = ?^2 - 30$$

$$\Rightarrow 195 + 30 = ?^2$$

$$\Rightarrow 225 = ?^2$$

$$\Rightarrow 15$$

8. Answer: C

$$(1/4) \times 3040 - (2/5) \times ? = 140 \times 4$$

$$760 - 560 = ? \times 2/5$$

$$? = 500$$

9. Answer: A

$$\sqrt{2304} \div \sqrt[3]{(1728)} + \sqrt[2]{(3025)} \times \sqrt{16} = ?$$

$$48/12 + 55 \times 4 = ?$$

$$? = 224$$

10. Answer: D

$$20\% \text{ of } 400 + ?\% \text{ of } 280 = 150$$

$$80 + ?\% \text{ of } 280 = 150$$

$$? = 25$$



Simplification for SBI PO Prelims

11. Answer: B

$$\sqrt{2809} + \sqrt{441} = \sqrt{4096} + ?$$

$$53 + 21 = 64 + ?$$

$$? = 10$$

12. Answer: C

$$(3283/67) - (377/13) = ?$$

$$49 - 29 = ?$$

$$? = 20$$

13. Answer: A

$$(44/395) * (79/352) * ? = 5$$

$$1/5 * 1/8 * ? = 5$$

$$? = 200$$

14. Answer: D

$$\sqrt{6561} + \sqrt{3721} - \sqrt{1369} = ?$$

$$81 + 61 - 37 = ?$$

$$? = 105$$

15. Answer: B

$$30 \% \text{ of } 360 + 75\% \text{ of } 80 + 83.33 \% \text{ of } 240 = ?$$

$$108 + 60 + (5/6) * 240 = ?$$

$$108 + 60 + 200 = ?$$

$$368 = ?$$

16. Answer: C

$$22^2 - 8^2 + 18 * 31 = ? * 6$$

$$484 - 64 + 558 = ? * 6$$

$$978 = ? * 6$$

$$? = 163$$

17. Answer: A

$$7 \frac{2}{3} + 4 \frac{1}{2} - \frac{1}{6} = ?/4 * 48$$

$$\Rightarrow 23/3 + 9/2 - 1/6 = ?/4 * 48$$

$$\Rightarrow 144/12 = 12 * ?$$

$$\Rightarrow 1$$

18. Answer: C

$$(123 + 82 - 42 - 18) = ?^4 + 64$$

$$\Rightarrow 145 - 64 = ?^4$$

$$\Rightarrow 3^4 = 81$$

19. Answer: A

$$420 \div 7 + 20 \% \text{ of } 140 + ? * 13 = 61 * \sqrt{16}$$

$$60 + 28 + ? * 13 = 244$$

$$? * 13 = 156$$

$$? = 12$$

20. Answer: E

$$18 * 19 + 45 * 5 - 23 * 12 = ?$$

$$342 + 225 - 276 = ?$$

$$? = 291$$

21. Answer: E

$$22^2 \div 11 \times 6 + 16^2 = 3x - 11^3$$

$$(22 * 22 * 6) / 11 + 256 + 1331 = 3x$$

$$264 + 256 + 1331 = 3x$$

$$264 + 256 + 1331 = 3x$$

$$3x = 1851$$

$$x = 1851/3 = 617$$

22. Answer: B



Simplification for SBI PO Prelims

$$35 * 8 + 30 \% \text{ of } 160 + ? * 7 = 433$$

$$280 + 48 + ? * 7 = 433$$

$$? * 7 = 105$$

$$? = 15$$

23. Answer: A

$$(9040 \div 113) * 12.5 = ?$$

$$80 * 12.5 = ?$$

$$? = 1000$$

24. Answer: D

$$20\% \text{ of } 400 + ?\% \text{ of } 280 = 150$$

$$80 + ? \% \text{ of } 280 = 150$$

$$? = 25$$

25. Answer: B

$$20\% \text{ of } 5000 - 3 * 5^2 = ?^2 - 36$$

$$\Rightarrow 1000 - 75 = ?^2 - 36$$

$$\Rightarrow 925 + 36 = ?^2$$

$$\Rightarrow 31$$

26. Answer: D)

$$240 - 5^3 + 47^2 = ?$$

$$240 - 125 + 2209 = ?$$

$$2324 = ?$$

27. Answer: A)

$$1908 \div 18 \times 12 + 24 = ?^2$$

$$?^2 = 106 \times 12 + 24$$

$$= 1272 + 24 = 1296$$

$$? = 36$$

28. Answer: C)

$$430\% \text{ of } 600 - 80\% \text{ of } 420 - 5.3\% \text{ of } 9000 = ?$$

$$? = 4.3 \times 600 - 0.8 \times 420 - 0.053 \times 9000$$

$$? = 2580 - 336 - 477$$

$$? = 1767$$

29. Answer: D)

$$(6764 - 7455 + 2467) - (4273 + 2732 - 5314) = ?$$

$$? = 1776 - 1691$$

$$? = 85$$

30. Answer: D

$$(3 / 5) \times (2 / 7) \times (35 / 18) \times ? = 405$$

$$\text{Or, } ? = [(405 \times 5 \times 7 \times 18) / (3 \times 2 \times 35)] = 1215$$

31. Answer: A

$$45879 + 24856 + 1245 + 214 - 101 = ?$$

$$72194 - 101 = ?$$

$$= 72093$$

32. Answer: E

$$0.16 * 450 * ? * 880 / 100 = 3168$$

$$\Rightarrow 633.6 * ? = 3168$$

$$\Rightarrow ? = 5$$

33. Answer: C

$$(32/100) * 1900 - (1/9) * x = 54$$

$$608 - 54 = x/9$$

$$x/9 = 554$$



Simplification for SBI PO Prelims

$$x = 554 \times 9 = 4986$$

34. Answer: E

$$60\% \text{ of } 310 + 20\% \text{ of } 150 + 125\% \text{ of } 64 = ?$$

$$186 + 30 + 80 = ?$$

$$296 = ?$$

35. Answer: A

$$(21 \times 11 + 8 \times 5 + 65) \div [(12)^2 + \sqrt{576}] = x$$

$$X = [(231 + 40 + 65)/(144 + 24)]$$

$$X = 336/168 = 2$$

36. Answer: B

$$4 \frac{2}{3} + 8 \frac{1}{3} = ? - 3 \frac{1}{3}$$

$$\Rightarrow 14/3 + 25/3 + 10/3$$

$$\Rightarrow 49/3$$

37. Answer: B

$$x\% \text{ of } 200 + 15\% \text{ of } 300 = 55$$

$$\Rightarrow x\% \text{ of } 200 = 55 - 45 = 10$$

$$\Rightarrow x = 10/2 = 5$$

38. Answer: E

$$594 \div (22\% \text{ of } 150) + ? = \sqrt{1225}$$

$$18 + ? = 35$$

$$? = 17$$

39. Answer: D

$$14^2 \times 9 \div 7 + 8 \times 12 + 25 = ?$$

$$252 + 96 + 25 = ?$$

$$373 = ?$$

40. Answer: A)

$$40\% \text{ of } 900 - 164 = ? + 8\% \text{ of } 1200$$

$$0.40 \times 900 - 164 = ? + 0.08 \times 1200$$

$$? = 360 - 164 - 96$$

$$? = 100$$

41. Answer: A

$$171 \div 19 \times 18 - 134 = ?$$

$$9 \times 18 - 134 = ?$$

$$28 = ?$$

42. Answer: B

$$236 \div 4 + 308 \div 44 + 120\% \text{ of } 280 = ?$$

$$59 + 7 + 336 = ?$$

$$402 = ?$$

43. Answer: A

$$150 + 1120 = (16 \times 456)/3 + x - 5100$$

$$150 + 1120 - 2432 + 5100 = x$$

$$x = 3938$$

44. Answer: B

$$75\% \text{ of } 36 + 45\% \text{ of } 140 + 20\% \text{ of } 60 = ?$$

$$27 + 63 + 12 = ?$$

$$102 = ?$$

45. Answer: D

$$1 \frac{1}{3} \text{ of } 96 + 3 \frac{2}{4} \times 120 = ?$$

$$\Rightarrow 4 \times 96/3 + 14/4 \times 120$$

$$\Rightarrow 548$$



Simplification for SBI PO Prelims

46. Answer: B

$$850 \div 25 * 2 + 15 - 12 = ?$$

$$\Rightarrow 68 + 15 - 12$$

$$\Rightarrow 71$$

47. Answer: D

$$16 \% \text{ of } 750 + x \% \text{ of } 400 = 1140$$

$$(16/100)*750 + (x/100)*400 = 1140$$

$$120 + 4x = 1140$$

$$4x = 1140 - 120$$

$$4x = 1020$$

$$x = 255$$

48. Answer: A

$$\sqrt{529} * 4 + 45 \% \text{ of } 80 - 19 * 5 = ?$$

$$92 + 36 - 95 = ?$$

$$33 = ?$$

49. Answer: B

$$15 \% \text{ of } 480 + 80 \% \text{ of } 320 + 20 \% \text{ of } 60 = ?$$

$$72 + 256 + 12 = ?$$

$$? = 340$$

50. Answer: E

$$85 * 25 + 75 * 12 - 60 * 23 = ?$$

$$2125 + 900 - 1380 = ?$$

$$? = 1645$$

[Free Aptitude Questions PDF](#)

[Check Here for Free Reasoning Questions PDF](#)

[For English Language Question PDF Download](#)

[For More Ultra Bundle PDF Click Here](#)

[THE COMPLETE Static GK Capsule for Upcoming Exams](#)

[The COMPLETE Static Banking Awareness PDF](#)

[Join Our What's App Group & Get Instant Notification on Study Materials & PDFs](#)

[Click Here to Join Our Official Telegram Channel](#)

