

## Simplification Questions For Bank PO Prelims Exam



### Guidely Xpress Video Package

Subscribe Now to Get Unlimited Access

#### Complete Package for Bank 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 RRB /  
IBPS PO 2020

### Simplification

1.  $(360 - 15^2) \times 6 - 210 = ? \times 12$

a) 100

b) 50

c) 80

d) 20

e) 40

2.  $(45 \times 8) - 16\% \text{ of } 2000 = ? - 260$

a) 100

b) 250

c) 400

d) 450

e) 300

3.  $24\% \text{ of } 500 + 30^2 = ? \times 51$

a) 35

b) 20

c) 15

d) 25

e) 30



## Simplification Questions For Bank PO Prelims Exam

4.  $(\frac{3}{8}) \times 560 + (\frac{2}{5}) \times 350 - (\frac{3}{4}) \times 200 = ?$

- a) 100
- b) 180
- c) 150
- d) 240
- e) 200

5.  $50\% \text{ of } 1200 - 320 = ? + 12\% \text{ of } 1500$

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

6.  $\sqrt{484} + ? = 4\frac{5}{6} \text{ of } 102$

- a) 453
- b) 463
- c) 471
- d) 477
- e) 501

7.  $27 \times 27 - 9 = ? \times 40$

- a) 30
- b) 0
- c) -2
- d) 18

e) 1

8.  $19^2 - 30^2 + 21^2 = ?$

- a) -108
- b) -68
- c) -98
- d) -168

e) -88

9.  $8 \times 46 - 30 \times 22 = ?$

- a) -314
- b) -277
- c) -288
- d) -294

e) -292

10.  $80\% \text{ of } 370 + 10\% \text{ of } 510 = ?$

- a) 347
- b) 447
- c) 267
- d) 377

e) 367

11.  $150\% \text{ of } 300 - 70\% \text{ of } 180 = 10 \times ?$

- a) 26.2
- b) 32.4
- c) 34.5



## Simplification Questions For Bank PO Prelims Exam

d) 36.7

e) 28.6

12.  $0.06 + 6.66 + 0.606 + 0.6 + 66.006 + 6.666 = ? - 2.402$

a) 78

b) 82

c) 83

d) 80

e) 85

13.  $\sqrt{[(2613 \div 13) \times (6622 \div 11) + 38]} = 2812 - ?$

a) 2783

b) 2795

c) 2840

d) 2680

e) 2720

14.  $(26^2 + 12^2) \div 4 + 42 \% \text{ of } 1200 = ?$

a) 750

b) 712

c) 709

d) 728

e) 743

15.  $12 \times 7 \times 13^2 \div 13 + 45 \times 27 \div 9 = ?$

a) 1325

b) 1430

c) 1268

d) 1320

e) 1227

16.  $1500 + 2000 \div 40 \times 20 = ?$

a) 1500

b) 2300

c) 2500

d) 2000

e) 1800

17.  $(81)^{1/4} + (32)^2 - 150 \times 2 + (5)^2 = ?$

a) 746

b) 620

c) 572

d) 780

e) 752

18.  $7500 \div 3 + 270 - ? = 10^2$

a) 2670

b) 2720

c) 3250

d) 2865

e) 6270

19.  $-(6)^3 + (30)^2 - (2)^5 = ?$



## Simplification Questions For Bank PO Prelims Exam

a) 764

b) 652

c) 678

d) 256

e) 562

20.  $\sqrt{5476} \div \sqrt{1369} \times \sqrt{1024} = 4 \times 2^?$

a) 8

b) 2

c) 6

d) 4

e) 5

21.  $272 \times 33 \div 51 + 32 = ?$

a) 208

b) 200

c) 198

d) 206

e) 205

22.  $15^2 - ?^2 + 195 + 21^2 = 132$

a) 28

b) 25

c) 29

d) 27

e) 26

23.  $67.5\% \text{ of } 600 + 22.5\% \text{ of } 200 = ?$

a) 435

b) 415

c) 430

d) 450

e) 425

24.  $(7/22 \text{ of } 792) \times 12 \div 63 = ?$

a) 40

b) 45

c) 42

d) 49

e) 48

25.  $(\sqrt{529} + 2)^3 = 7528 + ?$

a) 8056

b) 8050

c) 8000

d) 8097

e) 8100

26.  $(444 \div 37.5 \times 57) \div 37 = ?$

a) 19.26

b) 17.65

c) 18.24

d) 20.84



## Simplification Questions For Bank PO Prelims Exam

e) 17.64

27.  $29^2 + 6^3 = (?)^2 - 387$

a) 32

b) 42

c) 33

d) 38

e) 34

28.  $\sqrt{676} \times \sqrt{289} - ? = 202$

a) 230

b) 250

c) 240

d) 260

e) 270

29.  $468 \times 114 \div 6^3 + 53 = ?$

a) 300

b) 306

c) 320

d) 315

e) 315

30.  $(\sqrt{1156} + \sqrt{676} + 30) \times 80\% = ?$

a) 77

b) 80

c) 72

d) 76

e) 75

31.  $(36 \times 6)^3 \div (6 \times 6)^3 \times (1296)^2 = 6^?$

a) 22

b) 11

c) 24

d) 12

e) 34

32.  ${}^3\sqrt{5832} + \sqrt{2916} - 30\% \text{ of } 600 = ? - 180$

a) 78

b) 77

c) 72

d) 80

e) 60

33.  $8\frac{2}{6} \text{ of } 186 + 820 = 4200 - ?$

a) 1830

b) 1640

c) 1770

d) 1685

e) 1845

34.  $(256 + 123 + 519 + 372) \div (48 + 29 + 35 + ?) = 10$

a) 12

b) 18



## Simplification Questions For Bank PO Prelims Exam

c) 16

d) 25

e) 15

35.  $(16 \times 11 - 26) \div (? + 14 \times 8) = 15/14$

a) 10

b) 28

c) 18

d) 20

e) 14

36.  $125\% \text{ of } 420 + 15\% \text{ of } 450 = ? + 68\% \text{ of } 720$

a) 165.9

b) 102.9

c) 490.5

d) 280.8

e) 150.0

37.  $15\% \text{ of } 300 + 25^2 = ? \times 67$

a) 35

b) 10

c) 15

d) 25

e) 30

38.  $2\frac{1}{3} - 3\frac{4}{5} + 8\frac{3}{2} - 6\frac{1}{2} = ?$

a) 10/15

b) 23/15

c) 15/10

d) 24/15

e) 20/10

39.  $4/5 \text{ of } 18/24 \text{ of } 35/10 \text{ of } ? = 1512$

a) 780

b) 850

c) 750

d) 800

e) 720

40.  $250\% \text{ of } 3650 + 155\% \text{ of } 8600 = ?$

a) 28069

b) 32467

c) 47400

d) 22455

e) 22501

41.  $7168 \div 16 \times 11 + 256 = ?^2$

A. 72

B. 68

C. 62

D. 78

E. None of these

42.  $2\frac{5}{11} \times 4\frac{8}{9} + ? = 25\% \text{ of } 232$

A. 49

B. 43



## Simplification Questions For Bank PO Prelims Exam

- |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>C. 41<br/>D. 48<br/>E. 46</p> <p><b>43. <math>34343 - 3432 - 12644 + 14135 = ? + 18373</math></b></p> <p>A. 300<br/>B. 240<br/>C. 280<br/>D. 220<br/>E. 200</p> <p><b>47. <math>32423 - 7474 - 9134 + 22123 = ? + 13124</math></b></p> <p>A. 24714<br/>B. 24874<br/>C. 24634<br/>D. 24814<br/>E. 24572</p> <p><b>48. <math>67 \times 4071 \div 69 = ?^2 - 16</math></b></p> <p>A. 73<br/>B. 77</p> | <p>C. 85<br/>D. 67<br/>E. 63</p> <p><b>49. <math>41 \times ? \times 15 = 70^2 + \sqrt{400}</math></b></p> <p>A. 2<br/>B. 8<br/>C. 6<br/>D. 3<br/>E. None of these</p> <p><b>50. <math>3.6 \times 4.5 \times 2.8 \times 50 = ?</math></b></p> <p>A. 2318<br/>B. 2268<br/>C. 2348<br/>D. 2258<br/>E. 2168</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Answers and Explanations

**1. Answer: B)**

$$(360 - 15^2) \times 6 - 210 = ? \times 12$$

$$(360 - 225) \times 6 - 210 = ? \times 12$$

$$? = 600 \div 12$$

$$? = 50$$

**2. Answer: E)**

$$(45 \times 8) - 16\% \text{ of } 2000 = ? - 260$$

$$360 - 0.16 \times 2000 = ? - 260$$

$$? = 360 - 320 + 260$$

$$? = 300$$

**3. Answer: B)**

$$24\% \text{ of } 500 + 30^2 = ? \times 51$$

$$0.24 \times 500 + 900 = ? \times 51$$

$$? = (120 + 900) \div 51$$

$$= 20$$

**4. Answer: E)**



## Simplification Questions For Bank PO Prelims Exam

$$(3/8) \times 560 + (2/5) \times 350 - (3/4) \times 200 = ?$$

$$(3 \times 70) + (2 \times 70) - (3 \times 50) = ?$$

$$? = 210 + 140 - 150$$

$$? = 200$$

**5. Answer: A)**

$$50\% \text{ of } 1200 - 320 = ? + 12\% \text{ of } 1500$$

$$0.50 \times 1200 - 320 = ? + 0.12 \times 1500$$

$$? = 600 - 320 - 180$$

$$? = 100$$

**6. Answer: C)**

$$? = 102 \times (29/6) - \sqrt{484}$$

$$= 17 \times 29 - 22$$

$$= 493 - 22$$

$$= 471$$

**7. Answer: D)**

$$? = (27 \times 27 - 9)/40$$

$$= (729 - 9)/40$$

$$= 720/40$$

$$= 18$$

**8. Answer: C)**

$$? = 19^2 - 30^2 + 21^2$$

$$= 361 - 900 + 441$$

$$= -98$$

**9. Answer: E)**

$$? = 8 \times 46 - 30 \times 22$$

$$= 368 - 660$$

$$= -292$$

**10. Answer: A)**

$$? = (80 \times 370/100) + (10 \times 510/100)$$

$$= (29600/100) + (5100/100)$$

$$= 296 + 51$$

$$= 347$$

**11. Answer: b)**

$$150\% \text{ of } 300 - 70\% \text{ of } 180 = 10 \times ?$$

$$450 - 126 = 10 \times ?$$

$$324 = 10 \times ?$$

$$32.4 = ?$$

**12. Answer: c)**

$$0.06 + 6.66 + 0.606 + 0.6 + 66.006 + 6.666 = ? - 2.402$$

$$80.598 = ? - 2.402$$

$$80.598 + 2.402 = ?$$

$$83 = ?$$

**13. Answer: a)**

$$\sqrt{[(2613 \div 13) + (6622 \div 11) + 38]} = 2812 - ?$$

$$\sqrt{[201 + 602 + 38]} = 2812 - ?$$

$$\sqrt{841} = 2812 - ?$$



## Simplification Questions For Bank PO Prelims Exam

$$29 = 2812 - ?$$

$$2783 = ?$$

**14. Answer: c)**

$$(26^2 + 12^2) \div 4 + 42 \% \text{ of } 1200 = ?$$

$$(676 + 144) \div 4 + 42 \% \text{ of } 1200 = ?$$

$$820 \div 4 + 42 \% \text{ of } 1200 = ?$$

$$205 + 42 \% \text{ of } 1200 = ?$$

$$205 + 504 = ?$$

$$709 = ?$$

**15. Answer: e)**

$$12 \times 7 \times 13^2 \div 13 + 45 \times 27 \div 9 = ?$$

$$12 \times 7 \times 13 + 45 \times 3 = ?$$

$$1092 + 135 = ?$$

$$1227 = ?$$

**16. Answer: c)**

$$1500 + 2000 \div 40 \times 20 = ?$$

$$1500 + 50 \times 20 = ?$$

$$1500 + 1000 = ?$$

$$2500 = ?$$

**17. Answer: e)**

$$(81)^{1/4} + (32)^2 - 150 \times 2 + (5)^2 = ?$$

$$3 + 1024 - 300 + 25 = ?$$

$$752 = ?$$

**18. Answer: a)**

$$7500 \div 3 + 270 - ? = 10^2$$

$$2500 + 270 - ? = 100$$

$$2670 = ?$$

**19. Answer: b)**

$$-(6)^3 + (30)^2 - (2)^5 = ?$$

$$-216 + 900 - 32 = ?$$

$$652 = ?$$

**20. Answer: d)**

$$\sqrt{5476} \div \sqrt{1369} \times \sqrt{1024} = 4 \times 2^?$$

$$74 \div 37 \times 32 = 4 \times 2^?$$

$$2 \times 32 = 4 \times 2^?$$

$$16 = 2^?$$

$$2^4 = 2^?$$

$$4 = ?$$

**21. Answer: a)**

$$? = 272 \times 33 \div 51 + 32$$

$$= 16 \times 11 + 32 = 176 + 32$$

$$? = 208$$

**22. Answer: d)**

$$15^2 - ?^2 + 195 + 21^2 = 132$$

$$?^2 = 15^2 + 195 + 21^2 - 132$$

$$?^2 = 225 + 195 + 441 - 132 = 729$$



## Simplification Questions For Bank PO Prelims Exam

$$? = 27$$

**23. Answer: d)**

$$67.5\% \text{ of } 600 + 22.5\% \text{ of } 200 = ?$$

$$? = 405 + 45$$

$$= 450$$

**24. Answer: e)**

$$(7/22 \text{ of } 792) \times 12 \div 63 = ?$$

$$(7 \times 792 \times 12) / (22 \times 63) = ?$$

$$? = 48$$

**25. Answer: d)**

$$(\sqrt{529} + 2)^3 = 7528 + ?$$

$$? = (23 + 2)^3 - 7528 = 25^3 - 7528$$

$$? = 15625 - 7528$$

$$? = 8097$$

**26. Answer: c)**

$$(444 \div 37.5 \times 57) \div 37 = ?$$

$$? = (444 \times 57) / (37.5 \times 37)$$

$$? = 228 / 12.5$$

$$= 18.24$$

**27. Answer: d)**

$$29^2 + 6^3 = (?)^2 - 387$$

$$?^2 = 841 + 216 + 387$$

$$?^2 = 1444$$

$$? = 38$$

**28. Answer: c)**

$$\sqrt{676} \times \sqrt{289} - ? = 202$$

$$? = 26 \times 17 - 202$$

$$? = 442 - 202$$

$$? = 240$$

**29. Answer: a)**

$$468 \times 114 \div 6^3 + 53 = ?$$

$$? = 13 \times 19 + 53 = 247 + 53 = 300$$

$$? = 300$$

**30. Answer: c)**

$$(\sqrt{1156} + \sqrt{676} + 30) \times 80\% = ?$$

$$(34 + 26 + 30) \times 0.80 = ?$$

$$? = 90 \times 0.80$$

$$= 72$$

**31. Answer: b)**

$$(36 \times 6)^3 \div (6 \times 6)^3 \times (1296)^2 = 6^?$$

$$(6^3)^3 \div (6^2)^{3 \times} (6^4)^2 = 6^x$$

$$6^9 \div 6^6 \times 6^8 = 6^x$$

$$6^{9-6+8} = 6^x$$

$$6^{11} = 6^x$$

$$X=11$$

**32. Answer: c)**



## Simplification Questions For Bank PO Prelims Exam

$$\sqrt[3]{5832} + \sqrt{2916} - 30\% \text{ of } 600 = ? - 180$$

$$18 + 54 - 180 = x - 180$$

$$72 = x$$

**33. Answer: a)**

$$50/6 \text{ of } 186 + 820 = 4200 - ?$$

$$50/6 \times 186 + 820 = 4200 - x$$

$$50 \times 31 + 820 = 4200 - x$$

$$1550 + 820 = 4200 - x$$

$$X = 1830$$

**34. Answer: e)**

$$(256 + 123 + 519 + 372) \div (48 + 29 + 35 + ?) = 10$$

$$1270 \div (112 + ?) = 10$$

$$1270 \div 10 = (112 + ?)$$

$$127 = 112 + ?$$

$$15 = ?$$

**35. Answer: b)**

$$(16 \times 11 - 26) \div (? + 14 \times 8) = 15/14$$

$$(176 - 26) \div (? + 112) = 15/14$$

$$150 \div (? + 112) = 15/14$$

$$150 \div 15/14 = ? + 112$$

$$150 \times 14/15 = ? + 112$$

$$140 = ? + 112$$

$$28 = ?$$

**36. Answer: b)**

$$125\% \text{ of } 420 + 15\% \text{ of } 450 = ? + 68\% \text{ of } 720$$

$$1.25 \times 420 + 0.15 \times 450 - 0.68 \times 720 = ?$$

$$525 + 67.5 - 489.6 = ?$$

$$102.9 = ?$$

**37. Answer: B)**

$$15\% \text{ of } 300 + 25^2 = ? \times 67$$

$$0.15 \times 300 + 625 = ? \times 67$$

$$? = (45 + 625) \div 67$$

$$= 10$$

**38. Answer: b)**

$$2\frac{1}{3} - 3\frac{4}{5} + 8\frac{3}{2} - 6\frac{1}{2} = ?$$

$$(2-3+8-6) + (1/3 - 4/5 + 3/2 - 1/2) = ?$$

$$1 + (10-24+45-15)/30 = ?$$

$$1 + 16/30 = ?$$

$$46/30 = ?$$

$$23/15 = ?$$

**39. Answer: e)**

$$4/5 \text{ of } 18/24 \text{ of } 35/10 \text{ of } ? = 1512$$

$$4/5 \times 18/24 \times 35/10 \times x = 1512$$

$$21/10 \times x = 1512$$

$$X = 15120/21$$



## Simplification Questions For Bank PO Prelims Exam

$$X = 720$$

**40. Answer: d)**

$$250\% \text{ of } 3650 + 155\% \text{ of } 8600 = ?$$

$$9125 + 13330 = ?$$

$$22455 = ?$$

**41. Answer: a)**

$$?^2 = 7168 \div 16 \times 11 + 256$$

$$?^2 = 448 \times 11 + 256$$

$$?^2 = 4928 + 256 = 5184$$

$$? = \sqrt{5184} = 72$$

**42. Answer: e)**

$$2\frac{5}{11} \times 4\frac{8}{9} + ? = 25\% \text{ of } 232$$

$$27/11 \times 44/9 + ? = 58$$

$$12 + ? = 58$$

$$? = 58 - 12$$

$$? = 46$$

**43. Answer: a)**

$$34343 - 3432 - 12644 + 14135 - 18373 = ?$$

$$? = 14029$$

**44. Answer: c)**

$$(0.5)^4 \times 500 \div 5000 \text{ of } (0.5)^2 = ?$$

$$0.0625 \times 500 / 1250 = ?$$

$$31.25 / 1250 = ?$$

$$? = 0.025$$

**45. Answer: b)**

$$78\% \text{ of } 500 - 18\% \text{ of } 1950 = 0.5 \times ?$$

$$390 - 351 = 0.5 \times ?$$

$$39 / 0.5 = ?$$

$$? = 78$$

**46. Answer: e)**

$$178\% \text{ of } 450 + 72\% \text{ of } 250 = 39.05\% \text{ of } 2000 + ?$$

$$801 + 180 = 781 + ?$$

$$? = 981 - 781$$

$$= 200$$

**47. Answer: d)**

$$? = 32423 - 7474 - 9134 + 22123 - 13124$$

$$? = 24814$$

**48. Answer: e)**

$$67 \times 4071 \div 69 = ?^2 - 16$$

$$?^2 - 16 = 67 \times 59$$

$$?^2 = 3953 + 16 = 3969$$

$$? = 63$$

**49. Answer: b)**

$$? \times 41 \times 15 = 4900 + 20 = 4920$$

$$? = 4920 / (41 \times 15)$$

$$= 8$$

**50. Answer: b)**



## Simplification Questions For Bank PO Prelims Exam

$$? = 3.6 \times 4.5 \times 2.8 \times 50$$

$$? = 2268$$

[IBPS RRB Free Practice Model Question Paper PDF – Download Now](#)

[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](#)

