

BOOST UP PDFS | Quantitative Aptitude | Simplification (Easy Level Part-1)

Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams

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Direction (1-20): What should come in place of the question mark (?) in the following questions?

1. $4376 + 3209 - 1784 + 97 = 3125 + ?$

- a. 2713
- b. 2743
- c. 2773
- d. 2793
- e. 2737

2. $555.05 + 55.50 + 5.55 + 5 + 0.55 = ?$

- a. 621.65
- b. 655.75
- c. 634.85
- d. 647.35
- e. None of these

3. $3251 + 587 + 369 - ? = 3007$

- a. 1250
- b. 1300
- c. 1375
- d. 1400
- e. None of these

4. $5.35 + 4.43 + 0.45 + 45.34 + 534 = ?$

- a. 597.27
- b. 589.57

c. 596.87

d. 596.67

e. None of these

5. $1234.131 - 93.12 - 431.1 - ? = 8.432$

- a. 411.072
- b. 369.497
- c. 701.479
- d. 356.479

e. 405.521

6. $1187 + 328 - 615 + 999 = ? + 730$

- a. 1039
- b. 1169
- c. 1069
- d. 1201
- e. 1379

7. $8888 - 88 - 888 + 8 + 88888 = ?$

- a. 82608
- b. 96808
- c. 110568
- d. 98888
- e. 97088

8. $235.4 + 371.8 + 253.8 = ?$

- a. 851

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b. 881

c. 861

d. 867

e. 651

9. $496.932 + 476.16 - 439.18 - 132.693 = ?$

a. 410.219

b. 400.219

c. 419.219

d. 401.219

e. 432.219

10. $49.937 + 23.124 - 32.768 - 38.439 = ?$

a. 1.874

b. 1.934

c. 1.854

d. 1.826

e. 1.834

Direction (11-20): What should come in place of the question mark (?) in the following questions?

11. $396.132 - 498.695 + 493.12 - 229.1 = ?$

a. 191.457

b. 261.457

c. 190.457

d. 160.457

e. 161.457

12. $7802 + 132 - 8963 + 1326 = ? \times 33$

a. 6

b. 12

c. 21

d. 9

e. 14

13. $14 \times 21 + 16 \times 28 - 14 \times 15 + 18 \times 13 = x$

a. 766

b. 822

c. 752

d. 887

e. 793

14. $\frac{3}{9} \times 2286 + \frac{2}{11} \times 1397 = ?$

a. 916

b. 1016

c. 1216

d. 1026

e. 1256

15. $6666 \div 66 \div 0.25 = ?$

a. 101

b. 404

c. 304

d. 40.4

e. None of these

16. $2\frac{1}{7} + 4\frac{3}{5} - 3\frac{1}{7} + 5\frac{1}{10} = ?$

a. $9\frac{7}{10}$

b. $7\frac{7}{10}$

c. $8\frac{7}{10}$

d. $8\frac{4}{10}$

e. None of these

17. $164 \times 43 - 6070 = ?$

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- a. 682
- b. 792
- c. 882
- d. 1082
- e. 982

18. $19.9 \times 16.1 \times 17.2 = ?$

- a. 5869.01
- b. 3021.861
- c. 5510.708
- d. 4862.961
- e. None of these

19. $49 \div 0.7 - 4.9 = ?$

- a. 63.2
- b. 65.1
- c. 57.8
- d. 69.3
- e. None of these

20. $9898 + 1773 - 1882 \times 3 \div 2 = ?$

- a. 7320
- b. 8989
- c. 8848
- d. 9100
- e. 7963

Direction (21-30): What should come in place of the question mark (?) in the following questions?

21. $2 \frac{1}{4} + 3 \frac{5}{6} - 4 \frac{1}{5} + 3 \frac{2}{3} - 2 \frac{3}{10} = x$

- a. $3 \frac{1}{4}$
- b. $4 \frac{1}{5}$

- c. $3 \frac{1}{6}$
- d. $4 \frac{1}{15}$
- e. $4 \frac{1}{12}$

22. $4 \frac{2}{5} + 2 \frac{3}{7} - 3 \frac{2}{3} + 5 \frac{1}{6} - 3 \frac{3}{10} = x$

- a. $4 \frac{1}{35}$
- b. $5 \frac{1}{21}$
- c. $6 \frac{1}{21}$
- d. $5 \frac{1}{35}$
- e. None of these

23. $8^{1.4} \times 4^{1.7} \times 16^{0.2} = 2^?$

- a. 5.9
- b. 7.2
- c. 8.4
- d. 6.7
- e. None of these

24. $1225 \div 15 + 223 - (100 - 87) = ?$

- a. 292
- b. 289
- c. 301
- d. 187
- e. None of these

25. $4325.6 + 659.6 - 543.3 + 3478 - 0.005 = ?$

- a. 7920
- b. 6570
- c. 5643
- d. 8785
- e. None of these

26. $(441/?) = (?/3364)$

- a. 1218

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- b. 1456
- c. 2457
- d. 6546
- e. None of these

27. $(13824)^{1/3} + (5776)^{1/2} = x2$

- a. 20
- b. 100
- c. 15
- d. 10
- e. None of these

28. $6/9 + 7/6 - 1/3 = ?$

- a. $3/2$
- b. $2/3$
- c. $3/7$
- d. $13/5$
- e. None of these

- e. None of these

29. $(550/25) \times (2232/17) \times (2074/9) = ? \times 22$

- a. 30256
- b. 40657
- c. 34934
- d. 34678
- e. None of these

30. $1311 \div 1.9 + 8525 \div 625 = ?$

- a. 603.64
- b. 703.64
- c. 584.46
- d. 684.64
- e. 608.68

Direction (31-40): What should come in place of the question mark (?) in the following questions?

31. $702 \div 27 + 108 \times 0.75 = ?$

- a. 79
- b. 89
- c. 98
- d. 107
- e. 99

32. $348 \times 9 \times ? = 37584$

- a. 11
- b. 12
- c. 14
- d. 16
- e. None of these

33. $1234.131 - 93.12 - 431.1 - ? = 8.432$

- a. 411.072
- b. 369.497
- c. 701.479
- d. 356.479
- e. 405.521

34. $704 \times 710 + 112 \times 108 = ?$

- a. 499840
- b. 511936
- c. 519136
- d. 511396
- e. None of these

35. $21.2 \times 21.2 \times 21.2 = ?$

- a. 9582.128
- b. 9528.128

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c. 5928.128

d. 9528.218

e. None of these

36. $(9884 \div 35.3) \times 1.5 + 493.19 = ?$

a. 913.19

b. 912.43

c. 916.83

d. 919.41

e. 920.51

37. $49.937 + 23.124 - 32.768 - 38.439 = ?$

a. 1.874

b. 1.934

c. 1.854

d. 1.826

e. 1.834

38. $396.132 - 498.695 + 493.12 - 229.1 = ?$

a. 191.457

b. 261.457

c. 190.457

d. 160.457

e. 161.457

39. $25600 \div 16 \div 16 = ?$

a. 256

b. 100

c. 56

d. 4056

e. None of these

40. $9600 \times (5/16) \times (6/24) \times (27/6) = ?$

a. 3735

b. 3575

c. 3375

d. 5373

e. None of these

Direction (41-50): What should come in place of the question mark (?) in the following questions?

41. $43 \times 48 \times 5 \div ? = 120$

a. 89

b. 86

c. 88

d. 84

e. 82

42. $22480 \div 281 \times 34 + ? = 2933$

a. 225

b. 209

c. 211

d. 213

e. 207

43. $15 \times (1/4) + 32 \times (1/3) + 12 \times (3/4) \times 7 \times (1/17) = ? + 13 \times (1/4)$

a. $123 \times (1/3)$

b. $124 \times (3/4)$

c. $122 \times (1/4)$

d. $124 \times (1/3)$

e. $124 \times (1/12)$

44. $3.6 \times 1.5 + 4.4 \times 2.5 - 1.2 \times 2.8 = ?$

a. 13.04

b. 17.46

c. 16.04

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d. 15.40

e. 11.04

45. $160 \div 12.5 \times 4.5 + 34.2 \times 3.4 = ?$

a. 173.188

b. 120.4

c. 320.04

d. 220.04

e. 221.04

46. $14580 \div 54 \div 12 = ?$

a. 26.5

b. 22.5

c. 22.05

d. 25

e. 23.5

47. $139.99 - 148.39 + 25.66 + 31.396 = ?$

a. 48.686

b. 48.656

c. 49.456

d. 47.656

e. 46.456

48. $348 \times 9 \times ? = 37584$

a. 11

b. 12

c. 14

d. 16

e. None of these

49. $(4721 + 3271 + 5324) \div (491 + 769 + 132) = ?$

a. 40

b. 20

c. 25

d. 10

e. 15

50. $(3/9) \times 2286 + (2/11) \times 1397 = ?$

a. 1256

b. 1016

c. 1216

d. 1026

e. 1916

Answer with Solution

Solution (1-10)

1. C

$$? = 7682 - 4909 = 2773$$

2. A

$$? = 555.05 + 55.50 + 5.55 + 5 + 0.55 = 621.65$$

3. E

$$? = 4207 - 3007 = 1200$$

4. B

$$? = 589.57$$

5. C

$$= 1234.131 - 93.12 - 431.1$$

$$= (1234.131 - 532.652) = 701.479$$

6. B

$$? = 1187 + 328 - 615 + 999 - 730$$

$$? = 1169$$

7. B

$$8888 - 88 - 888 + 8 + 88888 = ?$$

$$? = 96808$$

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8. C

$$?= 861$$

9. D

$$? = 496.932 + 476.16 - 439.18 - 132.693 = 973.092 - 571.873 = 401.219$$

10. C

$$?= 73.061 - 71.207$$
$$= 1.854$$

Solution (11-20)

11. E

$$?= 889.252 - 727.795$$
$$= 161.457$$

12. D

$$9260 - 8963 = ? \times 33$$
$$? = 29733 \div 9$$

13. A

$$294 + 448 - 210 + 234 = 766$$

14. B

$$762 + 254 = 1016$$

15. B

$$6666 \times 1/66 \times 1/0.25 = ?$$
$$? = 404$$

16. C

$$(2+4+5-3) + \left(\frac{1}{7} + \frac{3}{5} + \frac{1}{10} - \frac{1}{7}\right)$$
$$= 8 + \frac{10+42+7-10}{70}$$
$$= 8 + \frac{49}{70} = 8 \frac{49}{70}$$
$$= 8 \frac{7}{10}$$

17. E

$$7052 - 6070 = ?$$

$$? = 982$$

18. C

$$? = 19.9 \times 16.1 \times 17.2 = 5510.708$$

19. B

$$? = 49 \div 0.7 - 4.9 = 49 \div (7/10) - 4.9$$
$$= 49 \times 10/7 - 4.9 = 70 - 4.9 = 65.1$$

20. C

$$?= 9898 + 1773 - 1882 \times 3 \div 2$$
$$= 9898 + 1773 - 941 \times 3$$
$$= 11671 - 2823 = 8848$$

Solution (21-30)

21. A

$$2 + 3 - 4 + 3 - 2 + (1/4 + 5/6 - 1/5 + 2/3 - 3/10)$$
$$= 2 + 15/12 = 2 + 1 + 3/12 = 3 + 1/4 = 3 \frac{1}{4}$$

22. D

$$4 + 2 - 3 + 5 - 3 + (2/5 + 3/7 - 2/3 + 1/6 - 3/10)$$
$$= 5 + 1/35 = 5 \frac{1}{35}$$

23. C

$$2^{4.2} \times 2^{3.4} \times 2^{0.8} = 2^{4.2+3.4+0.8}$$
$$= 2^{8.4}$$

24. A

$$= 1225 \div 15 + 223 - 13$$
$$= 81.7 + 223 - 13$$
$$= 291.7 = 292$$

25. A

$$8463.2 - 543.305$$
$$= 7919.89$$

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$$= 7920$$

26. A

$$21 \times 58 = 1218$$

27. D

$$24 + 76 = 100$$

28. A

$$(12 + 21 - 6) / 18 = 27 / 18 = 3/2$$

29. A

$$22 \times 248 \times 122 = 665632$$

$$665632 / 22 = 30256$$

30. B

$$? = 1311 \div 1.9 + 8525 \div 625$$

$$= 690 + 13.64 = 703.64$$

Solution (31-40)

31. D

$$? = (702 / 27) + 108 \times \frac{3}{4} = 26 + 81 = 107$$

32. B

$$? = 37584 / (9 \times 348) = 12$$

33. C

$$? = 1234.131 - 93.12 - 431.1$$

$$= (1234.131 - 532.652) = 701.479$$

34. B

$$? = (704)^2 + 704 \times 6 + (108)^2 + 108 \times 4$$

$$= 495616 + 4224 + 11664 + 432 = 511936$$

35. B

$$? = (21.2)^3 = 9528.128$$

36. A

$$? = [(9884 / 353) \times 10] \times 15 / 10 + 493.19$$

$$= (280) \times 15 / 10 + 493.19 = 420 + 493.19$$

$$= 913.19$$

37. C

$$? = 73.061 - 71.207$$

$$= 1.854$$

38. E

$$? = 889.252 - 727.795$$

$$= 161.457$$

39. B

$$? = 25600 \times \frac{1}{16} \times \frac{1}{16}$$

$$= 25600 \times \frac{1}{256} = 100$$

40. C

$$? = 9600 \times \frac{5}{16} \times \frac{6}{24} \times \frac{27}{6} = 3375$$

Solution (41-50)

41. B

$$43 \times 48 \times 5 \div ? = 120$$

$$\text{Or, } 10320 / ? = 120$$

$$? = 10320 / 120$$

$$= 86$$

42. D

$$22480 \div 281 \times 34 + ? = 2933$$

$$\text{Or, } 80 \times 34 + ? = 2933$$

$$\text{Or, } 2720 + ? = 2933$$

$$\text{Or, } ? = 2933 - 2720 = 213$$

43. D

$$? + 13 \times \frac{1}{4} = \frac{61}{4} + \frac{97}{3} + \frac{51}{4} \times \frac{120}{17}$$

$$= \frac{61}{4} + \frac{97}{3} + 90 = \frac{(183 + 388 + 1080)}{12} = \frac{1651}{12}$$

$$\text{Or, } ? = \frac{(1651}{12}) - \frac{53}{4} = \frac{(1651 - 159)}{12} = \frac{1492}{12}$$

$$= 124 \times \frac{4}{12} = 124 \times \frac{1}{3}$$

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44. A

$$?=3.6 \times 1.5 + 4.4 \times 2.5 - 1.2 \times 2.8$$

$$= 5.4 + 11 - 3.36$$

$$= 16.4 - 3.36$$

$$= 13.04$$

45. A

$$?=(160/12.5) \times 4.5 + 34.2 \times 3.4$$

$$= 12.8 \times 4.5 + 34.2 \times 3.4$$

$$= 57.6 + 116.28$$

$$= 173.88$$

46. B

$$?=(14580)/(54 \times 12) = 22.5$$

47. B

$$?=(139.99+31.396+25.66)-148.39$$

$$= 197.046 - 148.39 = 48.656$$

48. B

$$? = 37584 / (9 \times 348) = 12$$

49. D

$$?=(4721+3271+5324) \div (491+769+132) = 13316 \div 1392 \approx$$

$$13400 \div 1400 = 9.5 \approx 10$$

50. B

$$?=(3/9) \times 2286 + (2/11) \times 1397$$

$$= 3 \times 254 + 2 \times 127$$

$$= 762 + 254$$

$$= 1016$$