

Expected Approximation Questions PDF for Bank PO/ Clerk Prelims Exam

Directions (Q. 1 - 50): What approximate value should come in the place of question mark (?) in the following questions?

1) ? % of 699 - 24 % of 1548 - (11/17) of (35/18) of 71 = 30

- a) 70
- b) 90
- c) 50
- d) 110
- e) 140

2) $15 \frac{11}{12}$ % of 298 + (3/11) of 51644 + (14.21)² = ?

- a) 15120
- b) 18560
- c) 11440
- d) 12750
- e) 14330

3) $35 \times 55 \div 8 - 26$ % of 689 + 9³ = ? - (11479 \div 7)

- a) 5280
- b) 4140
- c) 2430
- d) 3370
- e) 4560

4) $(3374 \div 125.13)^{1/3} + (362 \div 11) = ?^2 - 27.79$

- a) 13
- b) 8
- c) 16
- d) 21
- e) 23

5) ? - (11.13)² \div 363 \times 121 + (7.1)³ = 16 % of 249 + (5669 \div 7)

- a) 430
- b) 370
- c) 620
- d) 550
- e) 680

6) ? = (4128 + 574) \div 25 + (18.23)² + (2/15) of 12524 - 24

- a) 2540
- b) 3120
- c) 2160
- d) 3480
- e) 3950

7) $1399.99 \div 20.21 = ? + 425.5 - (310 \div 6 \times 20.3)$

- a) 750
- b) 520
- c) 840
- d) 430
- e) 680

8) $21.85 \times 5.18 + (64.13)^2 \div 15.91 = ? - 28$ % of 899

- a) 560
- b) 620
- c) 750
- d) 440
- e) 800

9) 52 % of 2149 + (18.13)² \div 12 \times 3 + (23.2)² = 3.9 \times ?

- a) 565
- b) 520
- c) 470
- d) 430
- e) 600

10) $(22/13) \div (155/258) \times 517 = ? - (12.11)^3$

- a) 4850
- b) 3210
- c) 4670
- d) 4150
- e) 3690

11) $15 \frac{7}{8} + 23 \frac{1}{3} - 8 \frac{1}{7} + 1 \frac{3}{4} = ? + 5 \frac{5}{7}$

- a) 44
- b) 38

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- c) 15
- d) 32
- e) 27

12) $34478 \div 8 + (3/13) \text{ of } 12154 + 30 \% \text{ of } 599 = ?^2 - 274$

- a) 93
- b) 74
- c) 87
- d) 68
- e) 82

13) $\sqrt{(21609)} \div 7.12 \times 15.21 = ? - 16759 \div 9$

- a) 2850
- b) 3435
- c) 2180
- d) 1965
- e) 1350

14) $34484 \div 11 + (5/9) \text{ of } 12149 + 56 \% \text{ of } 8978 = ?^2 - 451.32$

- a) 118
- b) 132
- c) 136
- d) 130
- e) 124

15) $(17.77)^2 - (7/4) \times 36 \div 9 + (3.12)^3 = ? + (11.13)^2$

- a) 185
- b) 223
- c) 162
- d) 157
- e) 140

16) $(24.32)^2 \div (4.05)^2 \times 120.11 \div 10.13 = ? - 551 \div 3.98$

- a) 480
- b) 1250
- c) 570
- d) 760
- e) 1020

17) $(3.1/6.78) \text{ of } 246 \times 135 \div 15.12 - ? = 527.68 \div 3 + 217$

- a) 478
- b) 552
- c) 256
- d) 384
- e) 610

18) $(32.1/113) \text{ of } 904.21 \% \text{ of } (99.6/31.7) \text{ of } ? = 63.56$

- a) 15
- b) 22
- c) 35
- d) 8
- e) 40

19) $(3.2/7) \text{ of } 348 + (5/7) \text{ of } (21.2/14.8) \text{ of } 1897 = ? \% \text{ of } 499$

- a) 410
- b) 560
- c) 470
- d) 500
- e) 320

20) $289.995 \times 19.899 \div 4.003 + 34.078 = ?$

- a) 1484
- b) 1678
- c) 1298
- d) 1564
- e) 1236

21) $79.989 \% \text{ of } 599.99 + 32.99 \% \text{ of } 400.009 - 48.065 \% \text{ of } 149.98 = ?$

- a) 580
- b) 520
- c) 540
- d) 560
- e) 640

22) $\sqrt{4760.998} \times 2.995 + 49.98\% \text{ of } 25.909 + 15.086 \times 1.9998 = ?$

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- a) 220
b) 250
c) 280
d) 310
e) 420
- 23) $45.098 \times 5.998 + 72.002 \div 7.990 + 2.999 \times 6.999 = ?$
a) 300
b) 340
c) 380
d) 420
e) 280
- 24) $9.999 + 99.999 + 999.9998 + 9999.9997 = ?$
a) 11110
b) 11000
c) 12100
d) 11500
e) 15110
- 25) $79.907 \times 5.076 + 119.998 \% \text{ of } 720.08 - 451.09 \times 1.998 = ?$
a) 362
b) 289
c) 338
d) 376
e) 412
- 26) $171.995 \times 14.998 \div 25.045 + 10.998 \times 11.006 = ?$
a) 284
b) 264
c) 224
d) 274
e) 296
- 27) $19.99 \% \text{ of } 25501 + \sqrt{9410} \times 2.904 - \sqrt{4760} = ?$
a) 5140
b) 5460
c) 5690
- d) 5320
e) 5260
- 28) $(25.01)^2 + (15.99)^2 - 39.908 \% \text{ of } 779.90 = ?$
a) 550
b) 570
c) 580
d) 600
e) 520
- 29) $12.98 \times 7.98 - 45.99 \times 5.04 + 659.90 = ?$
a) 534
b) 584
c) 524
d) 514
e) 628
- 30) $(52.13)^2 \div 13.9 \times 7.2 + (44.78)^2 = 5 \times ? - 35 \% \text{ of } 3097$
a) 892
b) 716
c) 954
d) 1028
e) 1150
- 31) $11 \frac{4}{5} \% \text{ of } 1499 + 5 \frac{2}{3} \% \text{ of } 2949 = ?$
a) 564
b) 678
c) 252
d) 357
e) 423
- 32) $(4/9) \text{ of } 1223 = ? - 27.4 \times 12.78 \div 38.89$
a) 420
b) 646
c) 553
d) 395
e) 712
- 33) $13.9 \% \text{ of } 742 - ? \% \text{ of } 393 = 89.78 - (12.23)^2$
a) 56
b) 28

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- c) 62
d) 77
e) 40

34) $(1023.77)^2 \div (255.89)^{3/2} \times 64.12 = (3.92)^4 \times 4^?$

- a) 3
b) 5
c) 9
d) 7
e) 6

35) $(32/7)$ of $[8955.21 - 2368.13] + 234.5 = ? + 3429.87$

- a) 31560
b) 22440
c) 26920
d) 34280
e) 17650

36) 24% of $849 + 56\%$ of $1299 - 456.23 \div 4 = ? + (8.11)^2$

- a) 686
b) 612
c) 575
d) 438
e) 754

37) 17% of $? - 2054 \div 12.78 - 222 \div 3.01 = 57$

- a) 1700
b) 2000
c) 2200
d) 1300
e) 2500

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

- a) 20
b) 6
c) 24
d) 12
e) 30

39) $[(46.04)^2 \div 23 \times 6.11] \div 12 = 2.99 \times ? - 788 \div 3$

- a) 158
b) 103
c) 215
d) 267
e) 99

40) $49.21 \times 19.89 - 24.98 \times 14.12 = (36 + ?) \times 9$

- a) 22
b) 46
c) 58
d) 34
e) 70

41) 35% of $1593 + 29\%$ of $4506 = ? \times 41 + 468 + 773.89 - 199.78$

- a) 28
b) 20
c) 32
d) 45
e) 10

42) $(63.89)^2 \times (64.12)^{1/3} \times (25.99)^2 \div (2^{11} \times (12.77)^2) = 2^x$

- a) 6
b) 7
c) 5
d) 8
e) 4

43) $(1782 \div 11.98) \div 2.92 \times 35.89 + 25\%$ of $541 - 67\%$ of $1299 = ?$

- a) 1046
b) 1153
c) 982
d) 1268
e) 1375

44) $(12.32)^2 \div (3.15)^2 \times 80.11 \div 10.23 = ? - 411 \div 4.11$

- a) 230

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- b) 250
- c) 220
- d) 270
- e) 200

45) $(4.3 / 6.78)$ of $48.7 \times 15 \div 5.12 + ? = 129.68$

- a) 66
- b) 28
- c) 82
- d) 46
- e) 74

46) $\sqrt{1291} \times 24.91 \div 15.11 = ? - (8.11)^2$

- a) 138
- b) 124
- c) 152
- d) 166
- e) 110

47) $(2 / 7)$ of $(21.2 / 13.8)$ of $188 = ? \%$ of 299

- a) 24
- b) 29
- c) 27
- d) 32
- e) 35

48) $120.05 + 419.728 \div 6 - 179.21 = \sqrt[3]{?}$

- a) 1331
- b) 1728
- c) 2197
- d) 2744
- e) 1587

49) 72.124% of $249.998 + ? \%$ of $500.215 = 600.234$

- a) 105
- b) 112
- c) 143
- d) 84
- e) 152

50) $(5/7)$ of $167.98 \times 25.12 \div 5 + ? = 765.112$

- a) 165
- b) 240
- c) 325
- d) 280
- e) 275

Answers:

1) Answer: a)

$$? \% \text{ of } 699 - 24 \% \text{ of } 1548 - (11/17) \text{ of } (35/18) \text{ of } 71 = 30$$

$$(x/100) * 700 - (24/100) * 1550 - (11/17) * (34/18) * 72 = 30$$

$$7x - 372 - 88 = 30$$

$$7x = 490$$

$$x = 70$$

2) Answer: e)

$$15 \frac{11}{12} \% \text{ of } 298 + (3/11) \text{ of } 51644 + (14.21)^2 = ?$$

$$16 \% \text{ of } 300 + (3/11) * 51645 + 14^2 = x$$

$$48 + 14085 + 196 = x$$

$$x = 14329 = 14330$$

3) Answer: c)

$$35 \times 55 \div 8 - 26 \% \text{ of } 689 + 9^3 = ? - (11479 \div 7)$$

$$(35 * 56)/8 - (26/100) * 700 + 729 = x - (11480 / 7)$$

$$245 - 182 + 729 = x - 1640$$

$$245 - 182 + 729 + 1640 = x$$

$$x = 2432 = 2430$$

4) Answer: b)

$$(3374 \div 125.13)^{1/3} + (362 \div 11) = ?^2 - 27.79$$

$$(3375/125)^{1/3} + (363/11) = x^2 - 28$$

$$(27)^{1/3} + 33 + 28 = x^2$$

$$3 + 33 + 28 = x^2$$

$$x^2 = 64$$

$$x = 8$$

5) Answer: d)

$$? - (11.13)^2 \div 363 \times 121 + (7.1)^3 = 16 \% \text{ of } 249 + (5669 \div 7)$$

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$$x - (11)^2 \div 363 \times 120 + 7^3 = 16 \% \text{ of } 250 + (5670 \div 7)$$

$$x - 40 + 343 = 40 + 810$$

$$x = 850 + 40 - 343$$

$$x = 547 = 550$$

6) Answer: c)

$$? = (4128 + 574) \div 25 + (18.23)^2 + (2/15) \text{ of } 12524 - 24$$

$$x = (4128 + 574)/25 + 18^2 + (2/15) * 12525 - 24$$

$$x = (4702/25) + 324 + 1670 - 24$$

$$x = 188 + 324 + 1670 - 24$$

$$x = 2158 = 2160$$

7) Answer: e)

$$1399.99 \div 20.21 = ? + 425.5 - (310 \div 6 \times 20.3)$$

$$(1400/20) = x + 426 - (312/6) * 20$$

$$70 - 426 + 1040 = x$$

$$x = 684 = 680$$

8) Answer: b)

$$21.85 \times 5.18 + (64.13)^2 \div 15.91 = ? - 28 \% \text{ of } 899$$

$$(22 * 5) + 64^2 \div 16 = x - (28/100) * 900$$

$$110 + (64 * 64)/16 = x - 252$$

$$110 + 256 + 252 = x$$

$$x = 618 = 620$$

9) Answer: d)

$$52 \% \text{ of } 2149 + (18.13)^2 \div 12 \times 3 + (23.2)^2 = 3.9 \times ?$$

$$(52/100) * 2150 + (18 * 18 * 3)/12 + 23^2 = 4x$$

$$1118 + 81 + 529 = 4x$$

$$1728 = 4x$$

$$x = 432 = 430$$

10) Answer: b)

$$(22/13) \div (155/258) \times 517 = ? - (12.11)^3$$

$$(22/13) * (260/154) * 518 = x - 1728$$

$$1480 + 1728 = x$$

$$x = 3208 = 3210$$

11) Answer: e)

$$15 \frac{7}{8} + 23 \frac{1}{3} - 8 \frac{1}{7} + 1 \frac{3}{4} = x + 5 \frac{5}{7}$$

$$16 + 23 - 8 + 2 - 6 = x$$

$$x = 27$$

12) Answer: c)

$$34478 \div 8 + (3/13) \text{ of } 12154 + 30 \% \text{ of } 599 = ?^2 - 274$$

$$(34480/8) + (3/13) * 12155 + (30/100)*600 = x^2 - 274$$

$$4310 + 2805 + 180 + 274 = x^2$$

$$7569 = x^2$$

$$x = 87$$

13) Answer: c)

$$\sqrt{(21609) \div 7.12 \times 15.21} = ? - 16759 \div 9$$

$$\sqrt{(21609) \div 7 \times 15} = x - 16758 \div 9$$

$$(147/7) * 15 = x - (16758/9)$$

$$315 + 1862 = x$$

$$x = 2177 = 2180$$

14) Answer: e)

$$34484 \div 11 + (5/9) \text{ of } 12149 + 56 \% \text{ of } 8978 = ?^2 - 451.32$$

$$34485 \div 11 + (5/9) \text{ of } 12150 + 56 \% \text{ of } 9000 = x^2 - 451$$

$$(34485/11) + (5/9) * 12150 + (56/100) * 9000 = x^2 - 451$$

$$3135 + 6750 + 5040 + 451 = x^2$$

$$x^2 = 15376$$

$$x = 124$$

15) Answer: b)

$$(17.77)^2 - (7/4) \times 36 \div 9 + (3.12)^3 = ? + (11.13)^2$$

$$18^2 - (7/4) \times (36 \div 9) + 3^3 = x + 11^2$$

$$324 - 7 + 27 - 121 = x$$

$$x = 223$$

16) Answer: c)

$$(24.32)^2 \div (4.05)^2 \times 120.11 \div 10.13 = ? - 551 \div 3.98$$

$$24^2 \div 4^2 \times 120 \div 10 = x - (552/4)$$

$$432 + 138 = x$$

$$x = 570$$

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17) Answer: b)

$$(3.1/6.78) \text{ of } 246 \times 135 \div 15.12 - ? = 527.68 \div 3 + 217$$

$$(3/7) * 245 * (135/15) + x = (528/3) + 217$$

$$945 - x = 176 + 217$$

$$x = 945 - 176 - 217$$

$$x = 552$$

18) Answer: d)

$$(32.1/113) \text{ of } 904.21 \% \text{ of } (99.6/31.7) \text{ of } ? = 63.56$$

$$(32/113) * (904/100) * (100/32) * x = 64$$

$$x = 8$$

19) Answer: a)

$$(3.2/7) \text{ of } 348 + (5/7) \text{ of } (21.2/14.8) \text{ of } 1897 = ? \% \text{ of } 499$$

$$(3/7) \text{ of } 350 + (5/7) \text{ of } (21/15) \text{ of } 1900 = x \% \text{ of } 500$$

$$(3/7) * 350 + (5/7) * (21/15) * 1900 = (x/100) * 500$$

$$150 + 1900 = 5x$$

$$2050 = 5x$$

$$x = 2050/5 = 410$$

20) Answer: a)

$$289.995 \times 19.899 \div 4.003 + 34.078 = x$$

$$290 * 20 / 4 + 34 = x$$

$$1484 = x$$

21) Answer: c)

$$79.989\% \text{ of } 599.99 + 32.99\% \text{ of } 400.009 - 48.065\% \text{ of } 149.98 = x$$

$$80/100 * 600 + 33/100 * 400 - 48/100 * 150 = x$$

$$480 + 132 - 72 = x$$

$$540 = x$$

22) Answer: b)

$$\sqrt{4760.998} \times 2.995 + 49.98\% \text{ of } 25.909 + 15.086 \times 1.9998 = x$$

$$\sqrt{4761} * 3 + 50/100 * 26 + 15 * 2 = x$$

$$69 * 3 + 13 + 30 = x$$

$$207 + 43 = x$$

$$250 = x$$

23) Answer: a)

$$45.098 \times 5.998 + 72.002 \div 7.990 + 2.999 \times 6.999 = x$$

$$45 * 6 + 72 / 8 + 3 * 7 = x$$

$$270 + 9 + 21 = x$$

$$300 = x$$

24) Answer: a)

$$9.999 + 99.999 + 999.9998 + 9999.9997 = x$$

$$10 + 100 + 1000 + 10000 = x$$

$$11110 = x$$

25) Answer: a)

$$79.907 \times 5.076 + 119.998 \% \text{ of } 720.08 - 451.09 \times 1.998 = x$$

$$80 * 5 + (120/100) * 720 - (451 * 2) = x$$

$$400 + 864 - 902 = x$$

$$362 = x$$

26) Answer: c)

$$171.995 \times 14.998 \div 25.045 + 10.998 \times 11.006 = x$$

$$(172 * 15) / 25 + (11 * 11) = x$$

$$103 + 121 = x$$

$$224 = x$$

27) Answer: d)

$$19.99 \% \text{ of } 25501 + \sqrt{9410} \times 2.904 - \sqrt{4760} = x$$

$$20 \% \text{ of } 25500 + \sqrt{9409} \times 3 - \sqrt{4761} = x$$

$$(20/100) * 25500 + 97 * 3 - 69 = x$$

$$5100 + 291 - 69 = x$$

$$5322 = x$$

28) Answer: b)

$$(25.01)^2 + (15.99)^2 - 39.908 \% \text{ of } 779.90 = x$$

$$25^2 + 16^2 - (40/100) * 780 = x$$

$$625 + 256 - 312 = x$$

$$569 = x$$

29) Answer: a)

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$$12.98 \times 7.98 - 45.99 \times 5.04 + 659.90 = x$$

$$13 * 8 - 46 * 5 + 660 = x$$

$$104 - 230 + 660 = x$$

$$534 = x$$

30) Answer: a)

$$(52.13)^2 \div 13.9 \times 7.2 + (44.78)^2 = 5 \times ? - 35 \% \text{ of } 3097$$

$$52^2 \div 14 \times 7 + 45^2 = 5x - 35 \% \text{ of } 3100$$

$$1352 + 2025 + 1085 = 5x$$

$$5x = 4462$$

$$x = 892.4 = 892$$

31) Answer: d)

$$11 \frac{4}{5} \% \text{ of } 1499 + 5 \frac{2}{3} \% \text{ of } 2949 = ?$$

$$12 \% \text{ of } 1500 + 6 \% \text{ of } 2950 = x$$

$$x = 180 + 177 = 357$$

32) Answer: c)

$$(4/9) \text{ of } 1223 = ? - 27.4 \times 12.78 \div 38.89$$

$$(4/9) * 1224 = x - (27 * 13)/39$$

$$544 + 9 = x$$

$$x = 553$$

33) Answer: e)

$$13.9 \% \text{ of } 742 - ? \% \text{ of } 393 = 89.78 - (12.23)^2$$

$$14 \% \text{ of } 750 - x \% \text{ of } 400 = 90 - (12)^2$$

$$105 - 90 + 144 = 4x$$

$$159/4 = x$$

$$x = 40$$

34) Answer: a)

$$(1023.77)^2 \div (255.89)^{3/2} \times 64.12 = (3.92)^4 \times 4^2$$

$$(1024)^2 \div (256)^{3/2} \times 64 = 4^4 \times 4^x$$

$$(4^5)^2 \div (4^4)^{3/2} \times 4^3 = 4^4 \times 4^x$$

$$4^{10} \div 4^6 \times 4^3 = 4^4 \times 4^x$$

$$4^{10-6+3-4} = 4^x$$

$$4^3 = 4^x$$

$$x = 3$$

35) Answer: c)

$$(32/7) \text{ of } [8955.21 - 2368.13] + 234.5 = ? + 3429.87$$

$$(32/7) \text{ of } [8955 - 2368] + 235 = x + 3430$$

$$(32/7) * (6587) + 235 - 3430 = x$$

$$x = 30112 + 235 - 3430 = 26917$$

$$x = 26920$$

36) Answer: e)

$$24 \% \text{ of } 849 + 56 \% \text{ of } 1299 - 456.23 \div 4 = ? + (8.11)^2$$

$$24 \% \text{ of } 850 + 56 \% \text{ of } 1300 - 456 \div 4 = x + 8^2$$

$$204 + 728 - 114 - 64 = x$$

$$x = 754$$

37) Answer: a)

$$17 \% \text{ of } ? - 2054 \div 12.78 - 222 \div 3.01 = 57$$

$$(17/100) * x - (2054/13) - (222/3) = 57$$

$$(17/100) * x = 57 + 158 + 74$$

$$(17/100) * x = 289$$

$$x = 1700$$

38) Answer: d)

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

$$x = 5 + 4 - 5 + 3 + 5 = 12$$

39) Answer: b)

$$[(46.04)^2 \div 23 \times 6.11] \div 12 = 2.99 \times ? - 788 \div 3$$

$$[(46)^2 \div 23 \times 6] \div 12 = 3x + 789 \div 3$$

$$46 + 263 = 3x$$

$$3x = 309$$

$$x = 103$$

40) Answer: d)

$$49.21 \times 19.89 - 24.98 \times 14.12 = (36 + ?) \times 9$$

$$49 \times 20 - 25 \times 14 = (36 + x) \times 9$$

$$980 - 350 = 324 + 9x$$

$$9x = 306$$

$$x = 34$$

41) Answer: b)

$$35 \% \text{ of } 1593 + 29 \% \text{ of } 4506 = ? \times 41 + 468 +$$

$$773.89 - 199.78$$

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$$(35/100) * 1600 + (29/100) * 4500 = 41x + 468 + 774 - 200$$

$$560 + 1305 - 468 - 774 + 200 = 41x$$

$$823 = 41x$$

$$x = 820/41 = 20$$

42) Answer: c)

$$(63.89)^2 * (64.12)^{1/3} * (25.99)^2 \div (2^{11} * (12.77)^2) = 2^x$$

$$(64 * 64 * 4 * 26 * 26) / (2^{11} * 13 * 13) = 2^x$$

$$(2^6 * 2^6 * 2^4) / 2^{11} = 2^x$$

$$2^{6+6+4-11} = 2^x$$

$$2^5 = 2^x$$

$$x = 5$$

43) Answer: a)

$$(1782 \div 11.98) \div 2.92 * 35.89 + 25 \% \text{ of } 541 - 67$$

$$\% \text{ of } 1299 = ?$$

$$(1782/12) * (1/3) * 36 + (25/100) * 540 -$$

$$(67/100) * 1300 = x$$

$$1782 + 135 - 871 = x$$

$$x = 1046$$

44) Answer: a)

$$(12.32)^2 \div (3.15)^2 * 80.11 \div 10.23 = ? - 411 \div 4.11$$

$$(12)^2 \div (3)^2 * 80 \div 10 = x - 412 \div 4$$

$$128 = x - 103$$

$$x = 128 + 103 = 231$$

$$x = 230$$

45) Answer: d)

$$(4.3 / 6.78) \text{ of } 48.7 * 15 \div 5.12 + ? = 129.68$$

$$(4 / 7) * 49 * (15 / 5) + x = 130$$

$$84 + x = 130$$

$$x = 130 - 84 = 46$$

46) Answer: b)

$$\sqrt{1291 * 24.91 \div 15.11} = ? - (8.11)^2$$

$$\sqrt{1296 * 25 \div 15} = x - 8^2$$

$$(36 * 25) / 15 = x - 64$$

$$60 + 64 = x$$

$$x = 124$$

47) Answer: c)

$$(2 / 7) \text{ of } (21.2 / 13.8) \text{ of } 188 = ? \% \text{ of } 299$$

$$(2 / 7) * (21 / 14) * 189 = (x / 100) * 300$$

$$81 = 3x$$

$$x = 81/3 = 27$$

48) Answer: a)

$$120.05 + 419.728 \div 6 - 179.21 = \sqrt[3]{?}$$

$$120 + (420/6) - 179 = \sqrt[3]{x}$$

$$120 + 70 - 179 = \sqrt[3]{x}$$

$$11 = \sqrt[3]{x}$$

$$x = 11^3 = 1331$$

49) Answer: d)

$$72.124 \% \text{ of } 249.998 + ? \% \text{ of } 500.215 = 600.234$$

$$72 \% \text{ of } 250 + x \% \text{ of } 500 = 600$$

$$180 + 5x = 600$$

$$5x = 420$$

$$x = 84$$

50) Answer: a)

$$(5/7) \text{ of } 167.98 * 25.12 \div 5 + ? = 765.112$$

$$(5/7) * 168 * (25/5) + x = 765$$

$$600 + x = 765$$

$$x = 765 - 600 = 165$$