BANK EXAMS 2024

100 SIMPLIFICATION QUES.

AASHISH ARORA

Direction: What value should come in place of the question mark (?) in the following question?

(1) 215 + 378 – 23 + 15 - 27 = ? + 3^2 + 16^2

(a) 230
(b) 293
(c) 428
(d) 550
(e) None of these

(2) 15.78% of (287 + 302) + 12^3 = ?% of 170 + 8 × 14 + 3^2

(a) 1000
(b) 1365
(c) 1675
(d) 2975
(e) None of these

(3) 51^2 + 32^2 – 42 × 46 = $?^2$ + 31 × 3

(a) 24
(b) 25
(c) 20
(d) 40
(e) None of these

(4) 750 ÷ 30 × 22 = ? – 342 + 24 × 26

(a) 256
(b) 202
(c) 268
(d) 153
(e) None of these

(5) 690 ÷ (75% of 460) = ? ÷ (50% of 160)

(a) 100
(b) 120
(c) 160
(d) 180
(e) None of these

(6) 12.5% of 6400 + (17 × 25) = ?% of 2200+ 125

(a) 62
(b) 60
(c) 64
(d) 50
(e) None of these

(7) (? + 8) × 8 + (680 ÷ 8.5) = 20% of 240 + 17 × 22

(a) 30.25
(b) 34.75
(c) 42.75
(d) 53.25
(e) None of these

(8) (424 + √2304) × 4 – (22 × 4) = ? × 15

(a) 125
(b) 130
(c) 128
(d) 140
(e) None of these

(9) 3/5 of 3025 + (18^2 + 12^2) = ? + 22.22% of 1125

(a) 2033
(b) 2736
(c) 2433
(d) 2236
(e) None of these

(10) 30% of 60% of 1800 + 13 × 14 = (? ÷ 75) × 5

(a) 6864
(b) 9784
(c) 7024
(d) 7590
(e) None of these

(11) (17 × 25) + 15% of 420 = ?% of 300 + 149

(a) 135
(b) 123
(c) 113

(d) 120
(e) None of these

(12) $24 \times \sqrt{?} + 4008 \div 24 = 40\%$ of $200 + 327$

(a) 100
(b) 400
(c) 360
(d) 110
(e) None of these

(13) 120% of ? + 575 ÷ 115 = $27^2 - 23^2 + 15$

(a) 115
(b) 175
(c) 105
(d) 145
(e) None of these

(14) $784 \div ?^2 + 672 \div \sqrt{576} = \sqrt[3]{512} \times 4$

(a) 16
(b) 18
(c) 17
(d) 14
(e) None of these

(15) (?% of $520 + 8 \times 1296^{0.25}$) × 5 = 14

(a) 15
(b) 17
(c) 18
(d) 16
(e) None of these

(16) (18 × 19) + (11 × 23) + (30% of 720) = ?

(a) 711
(b) 811
(c) 913
(d) 501
(e) None of these

(17) 87.5% of 416 + 6.25% of 288 = ? × 3 + 1

(a) 209
(b) 145
(c) 112
(d) 127
(e) None of these

(18) $?^2$ × 55% of (29 + 32 - 41) = 41.66% of 216 + 9

(a) 4
(b) 3
(c) 2
(d) 5
(e) None of these

(19) 2375 - 3312 + 3762 - 225 = ? × 13

(a) 200
(b) 203
(c) 209
(d) 300
(e) None of these

(20) √49 + 6.66% of 1725 + 22^2 = $?^2$ - √361

(a) 71
(b) 21
(c) 36
(d) 25
(e) None of these

(21) (35/14) of 500% of 98 ÷ 7 = ?

(a) 145
(b) 175
(c) 125
(d) 145
(e) None of these

(22) (1995 ÷ 19 of 15 × 20) ÷ 2 + (17 × 3) = $?^2$

(a) 16
(b) 14

(c) 12
(d) 11
(e) None of these

(23) (√1444 × √676 ÷ 13) + 70% of √3025 = ?

(a) 134.5
(b) 131.5
(c) 114.5
(d) 261.5
(e) None of these

(24) $(28)^2 \div (343)^{1/3} + (32)^2 = ?$
- √4096

(a) 1200
(b) 1500
(c) 1600
(d) 2100
(e) None of these

(25) 65% of 1080 ÷ 27 × 12 = $?^2$ - √2401

(a) 14
(b) 15
(c) 12
(d) 19
(e) None of these

(26) 55% of 560 + 520 × 24 = ? × (256¼)

(a) 3197
(b) 3057
(c) 4017
(d) 3062
(e) None of these

(27) (3/16) of 128 + (4/17) of 119 + (3/18) of 342 = ? - 3/17 of 306

(a) 125
(b) 186
(c) 163
(d) 106

(e) None of these

(28) (34 × 38) + (52 × 56) + (71 × 73) - (83 × 85) = ?

(a) 2516
(b) 2316
(c) 2372
(d) 2332
(e) None of these

(29) 27.75% of 306 + 42.85% of 133 = ?% of 2000

(a) 3.4
(b) 7.1
(c) 5.3
(d) 2.8
(e) None of these

(30) $\sqrt[3]{4913} + 17^2 + \sqrt[3]{13824} = ?$

$- \sqrt{729}$

(a) 385
(b) 247
(c) 357
(d) 142
(e) None of these

(31) $2800 \div 70 \times 16 = ?^3 \times 80$

(a) 2
(b) 3
(c) 8
(d) 7
(e) None of these

(32) 1334 + 2345 + 3327 = 2478 + ?

(a) 4876
(b) 3646
(c) 3528
(d) 4528
(e) None of these

(33) (95 × 94) - (102 × 108) + (205 × 206) = ? × 13

(a) 3916
(b) 3088
(c) 4715
(d) 4226
(e) None of these

(34) 99^2 + √4225 + 63.6% of 3300 = ? × $\sqrt[3]{8}$

(a) 6566
(b) 6513
(c) 5622
(d) 5983
(e) None of these

(35) (3/25) of 2950 + (1/19) of 1482 + (3/17) of 1938 = ?

(a) 774
(b) 474
(c) 847
(d) 347
(e) None of these

(36) $15^3 \div 5^2$ + 23 × 21 + $\sqrt[3]{6859}$ = $?^2$ × 5 + 32

(a) 31
(b) 11
(c) 12
(d) 41
(e) None of these

(37) 75% of 960 + 48 × 1050 = ? × 15

(a) 2580
(b) 3788
(c) 6540
(d) 8440
(e) None of these

(38) 343.23 + 224.77 - 267.28 - 342.72 = ?

(a) -32

(b) -42
(c) -34
(d) -48
(e) None of these

(39) √256 + √729 ÷ 3² = √? + ∛4913

(a) 5
(b) 7
(c) 4
(d) 8
(e) None of these

(40) 4.76% of 252 + 4.34% of 322 - 4.54% of 374 = √?

(a) 49
(b) 81
(c) 100
(d) 36
(e) None of these

(41) 5/4 of (58 × ∛512) = 3480 ÷ ?

(a) 9
(b) 7
(c) 8
(d) 6
(e) None of these

(42) 128 × 588 ÷ 14 + 15² = ? + 14 × 15

(a) 5391
(b) 6361
(c) 7241
(d) 5129
(e) None of these

(43) (√169 + √729) × 18 – 7² = ?

(a) 668
(b) 671
(c) 512

(d) 422
(e) None of these

(44) 3/? × 1728/432 = 22680 ÷ 27

(a) 1/20
(b) 1/80
(c) 1/30
(d) 1/70
(e) None of these

(45) 80% of 1720 + √7921 = ? × 5² -35

(a) 50
(b) 80
(c) 60
(d) 70
(e) None of these

(46) 17 × √225 = ? × 105 × √9801

(a) 17/693
(b) 16/712
(c) 14/812
(d) 17/652
(e) None of these

(47) (702÷ 13) – (15 × 18) + ∛216 = ? × 6

(a) 44
(b) 66
(c) 55
(d) 22
(e) None of these

(48) 62.5% of 520 + 41.66% of 216= ? –
15.38% of 234

(a) 284
(b) 451
(c) 412
(d) 712
(e) None of these

(49) $\sqrt{2116} + 14^2 + (18 \times 26) = 5/2$ of ?

(a) 284
(b) 226
(c) 326
(d) 418
(e) None of these

(50) 342.64 + 32.8 + 672.3 + 888.4 = ?

(a) 1978.14
(b) 1848.84
(c) 1456.84
(d) 1936.14
(e) None of these

(51) $\sqrt{676} + \sqrt{1024} - (18 \times 8) = ? - (13 \times 18)$

(a) 138
(b) 148
(c) 168
(d) 188
(e) None of these

(52) $? - 14^2 = 38 \times 336 \div 28 + 36^2$

(a) 1948
(b) 1482
(c) 1668
(d) 1622
(e) None of these

(53) $(34 \times 91) \div 17 + 22^2 = ? \times 6$

(a) 333
(b) 444
(c) 222
(d) 111
(e) None of these

(54) $(423 \div 47) \times 18 + 33^2 = ? - (18 \times 21)$

(a) 1629
(b) 1829
(c) 1869
(d) 1889
(e) None of these

(55) 45% of 315 + 75% of 815 = ? + 13^2

(a) 674
(b) 578
(c) 584
(d) 528
(e) None of these

(56) 32% of 450 – 2^4 = ? - 480 ÷ 15

(a) 160
(b) 130
(c) 150
(d) 170
(e) None of these

(57) (5035 ÷ 5) × 13 + 18^2 = ? – 12^2

(a) 12388
(b) 12441
(c) 13559
(d) 17229
(e) None of these

(58) $\sqrt{11664} + \sqrt{1764} + (33 \times 31) = ?$

(a) 1722
(b) 1284
(c) 1353
(d) 1173
(e) None of these

(59) 900% of 54 + 800% of 42 = ? × $\sqrt[3]{216}$

(a) 137
(b) 168
(c) 137

(d) 142
(e) None of these

(60) √784 × √2304 + √5184 × ³√512 = 2* × √225

(a) 2^3
(b) 2^7
(c) 2^4
(d) 2^8
(e) None of these

(61) 1144 ÷ 13 ÷ 14 × 12362 = ? × √484

(a) 3235
(b) 2337
(c) 3532
(d) 3246
(e) None of these

(62) 107^2 - 19^3 - 34^2 = $?^2$ + 14 × 5

(a) 58
(b) 68
(c) 78
(d) 48
(e) None of these

(63) (26/3 + 15/2 + 7/6) × 708 = ? × √2116/23

(a) 8941
(b) 4881
(c) 6112
(d) 6136
(e) None of these

(64) 48 × 20 + (35^2 – 28^2) ÷ √? = 981

(a) 484
(b) 441
(c) 529
(d) 576
(e) None of these

(65) 47.5% of 8800 + 35% of 960 = ?% × 2^2

(a) 1179
(b) 1029
(c) 1129
(d) 2029
(e) None of these

(66) 56 × 72 – 22 × 25 + 32 × 34 = ? × 5

(a) 914
(b) 900
(c) 812
(d) 680
(e) None of these

(67) $\sqrt[3]{39304} + \sqrt[3]{195112} - \sqrt{970299}$ = ?

(a) -5
(b) -4
(c) -6
(d) -7
(e) None of these

(68) 75% of { 8 × (6^2 × √256)} = ?

(a) 4834
(b) 4568
(c) 4328
(d) 3456
(e) None of these

(69) 30.76% of 234 + 26.66% of 240 + 43.7% of 304 = ?

(a) 281
(b) 269
(c) 301
(d) 371
(e) None of these

(70) 3033 + 303.3 + 208.3 - 103.4 = ?

(a) 4325.3
(b) 3148.7
(c) 3441.2
(d) 4253.2
(e) None of these

(71) 225% of 32 + 1572 ÷ 12 - 1445 ÷ 17 = ?

(a) 118
(b) 179
(c) 198
(d) 109
(e) None of these

(72) √784 × (840 ÷ 24) = ?³ × 8 + 924

(a) 125
(b) 343
(c) 512
(d) 216
(e) None of these

(73) (650% of 450 ÷ 15) ÷ 15 = ?

(a) 13
(b) 14
(c) 15
(d) 16
(e) None of these

(74) 880% of 75 + 36% of 850 = ? × 6

(a) 168
(b) 162
(c) 169
(d) 161
(e) None of these

(75) $32^2 \times 8 \div \sqrt{256} = 8^*$

(a) 8^2
(b) 8^3
(c) 8^4

(d) 8^5
(e) None of these

(76) (3025 + 6075 - 8025 - 1070) × √625 = ? × 25

(a) 5
(b) 8
(c) 6
(d) 10
(e) None of these

(77) (21.42% of 238 + 75% of 392 + 83.33% of 540) ÷ 15 = ?

(a) 65
(b) 62
(c) 57
(d) 53
(e) None of these

(78) 54 × 58 + ∛4913 - 57 × 49 + 3/8 of 208 = ?

(a) 434
(b) 367
(c) 476
(d) 379
(e) None of these

(79) (2/13) of 273 + (3/14) of 238 - (6/7) of 616 = ?

(a) -356
(b) -430
(c) -366
(d) -435
(e) None of these

(80) 3(4/5) + 6(2/5) + 3(4/2) + 2(7/2) - 3(6/5) = ?

(a) 14(3/7)
(b) 14(2/3)
(c) 16(1/2)
(d) 12(1/4)
(e) None of these

(81) (65% of 700) × 80 ÷ 40 = ?% of 8 - 60

(a) 12125
(b) 12200
(c) 14562
(d) 18004
(e) None of these

(82) 86410 ÷ 5 - 3375 + 1025 of 2 - 4466 = ?

(a) 13462
(b) 13264
(c) 13349
(d) 11491
(e) None of these

(83) 42% of 650 + 48% of 1250 - 66% of 700 = ?

(a) 362
(b) 413
(c) 411
(d) 465
(e) None of these

(84) (480 ÷ 40 × ?) - (30% of 450) = (4464 ÷ 18 × 6) + (85 + 92)

(a) 125
(b) 150
(c) 165
(d) 130
(e) None of these

(85) 5(6/3) + 18(1/12) = ? ÷ 18 + 4(3/12)

(a) 375
(b) 225
(c) 465
(d) 485
(e) None of these

(86) 18.18% of 1980 + 13.33% of 1275 = ? - 28^2

(a) 1058

(b) 1202
(c) 1314
(d) 1046
(e) None of these

(87) $18^2 + 5^4 + 8^3 \times 2^4$ = ?% of 300

(a) 2048
(b) 3047
(c) 6524
(d) 5426
(e) None of these

(88) (74 × 8) + 6.66% of 570 + 23^2 = $?^2$ + 3

(a) 46
(b) 44
(c) 36
(d) 34
(e) None of these

(89) 23% of 900 + 18 × 32 + 3/8 of 384 = ?

(a) 727
(b) 827
(c) 907
(d) 707
(e) None of these

(90) 52^2 + 172.7% of 858 + 3/9 of 243 = ? + √729

(a) 3680
(b) 3670
(c) 4560
(d) 4240
(e) None of these

(91) √? × (45% of 605 of 20 ÷ 3) = 7260

(a) 16
(b) 25
(c) 36
(d) 64

(e) None of these

(92) 400% of 640 - 150% of 440 = ? × 5 - 85 × 22

(a) 642
(b) 414
(c) 754
(d) 582
(e) None of these

(93) (22 × 24) + (32 × 34) - (18 × 17) = ? × 6 + 8

(a) 256
(b) 217
(c) 235
(d) 238
(e) None of these

(94) √5184 + ∛2744 + √484 = ? × √729

(a) 10
(b) 8
(c) 2
(d) 4
(e) None of these

(95) 13 × 15 + 13 × 19 + 22 × 13 - 34 × 13 = ?

(a) 286
(b) 256
(c) 246
(d) 258
(e) None of these

(96) (38 × 36) - 11^3 + 4.34% of 1748 = ?

(a) 104
(b) 113
(c) 131
(d) 101
(e) None of these

(97) 4875 + 1125 - 185 - 3333 + 2288 = ?

(a) 4220
(b) 4650
(c) 4880
(d) 4670
(e) None of these

(98) 3/17 of 1258 - 8/9 of 909 + 3/7 of 714 + 9/19 of 342 = ?

(a) -146
(b) -126
(c) -114
(d) -118
(e) None of these

(99) (24 × 38 × 43 × ?) / (120 × 152 × 387) = 22

(a) 3960
(b) 4620
(c) 5620
(d) 6420
(e) None of these

(100) 7/17 of 1394 + 38% of 600 = ?% of 4000

(a) 25.5
(b) 37.5
(c) 48.5
(d) 20.5
(e) None of these

Answers:

(1) B
(2) A
(3) D
(4) C
(5) C
(6) D
(7) B
(8) E
(9) A
(10) D
(11) C
(12) A

(13) B
(14) D
(15) E
(16) B
(17) D
(18) B
(19) A
(20) D
(21) B
(22) D
(23) C
(24) A
(25) D
(26) A
(27) C
(28) D
(29) B
(30) C
(31) A
(32) D
(33) B
(34) D
(35) A
(36) B
(37) E
(38) B
(39) C
(40) B
(41) D
(42) A
(43) B
(44) D
(45) C
(46) A
(47) C
(48) B
(49) A
(50) D
(51) B
(52) A
(53) D
(54) A
(55) C
(56) A

(57) C
(58) D
(59) A
(60) B
(61) C
(62) A
(63) D
(64) B
(65) C
(66) A
(67) D
(68) D
(69) B
(70) C
(71) A
(72) B
(73) A
(74) D
(75) B
(76) A
(77) D
(78) A
(79) D
(80) C
(81) A
(82) D
(83) C
(84) B
(85) A
(86) C
(87) B
(88) D
(89) E
(80) D
(91) A
(92) C
(93) B
(94) D
(95) A
(96) B
(97) E
(98) D
(99) A
(100) D

Solutions:

(1) 215 + 378 – 23 + 15 - 27 = ? + 3^2 + 16^2

558 = ? + 265
? = 293

(2) 15.78% of (287 + 302) + 12^3 = ?% of 170 + 8 × 14 + 3^2

3/19 of (287 + 302) + 12^3
= ?% of 170 + 8 × 14 + 3^2
1821 = ?% of 170 + 8 × 14 + 3^2
? = 1000

(3) 51^2 + 32^2 – 42 × 46 = $?^2$ + 31 × 3

2601 + 1024 - 1932 = $?^2$ + 93
? = 40

(5) 690 ÷ (75% of 460) = ? ÷ (50% of 160)

690 ÷ 345 = ? ÷ 80
? = 160

(6) 12.5% of 6400 + (17 × 25) = ?% of 2200+ 125

80 + 425 = ?% × 2200 + 125
? = 50

(7) (? + 8) × 8 + (680 ÷ 8.5) = 20% of 240 + 17 × 22

8x + 64 + 80 = 48 + 374
8x = 278
x = 34.75

(8) (424 + √2304) × 4 – (22 × 4) = ? × 15

472 × 4 - 88 = ? × 15
1800 = ? × 15
? = 120

(9) 3/5 of 3025 + (18^2 + 12^2) = ? + 22.22% of 1125

1815 + 468 = ? + 250
? = 2033

(10) 30% of 60% of 1800 + 13 × 14 = (? ÷ 75) × 5

324 + 182 = ? / 15
506 × 15 = ?
? = 7590

(11) (17 × 25) + 15% of 420 = ?% of 300 + 149

425 + 63 = ?% of 300 + 149
488 - 149 = ?% of 300
? = 113

(12) 24 × √? + 4008 ÷ 24 = 40% of 200 + 327

24 × √? + 167 = 80 + 327

24 × √? = 407 - 167

√? = 240/24 = 10

? = 100

(13) 120% of ? + 575 ÷ 115 = $27^2 - 23^2 + 15$

120% of ? + 5 = 729 - 529 + 15
? = 175

(14) 784 ÷ $?^2$ + 672 ÷ √576 = $\sqrt[3]{512} \times 4$

784 ÷ $?^2$ + 28 = 32
784 ÷ $?^2$ = (32 - 28)
$?^2$ = 196
?= 14

(15) (?% of 520 + 8 × $1296^{0.25}$) × 5 = 14

(5.2x + 8 × 6) × 5 = 14
266x = 14
x= 19

(16) (18 × 19) + (11 × 23) + (30% of 720) = ?

342 + 253 + 216 = ?
? = 811

(17) 87.5% of 416 + 6.25% of 288 = ? × 3 + 1

364 + 18 = 3x +1
381 = 3x
x = 127

(18) ?² × 55% of (29 + 32 - 41) = 41.66% of 216 + 9

?² × 55% of 20 = 5/12 of 216 + 9
?² × 11 = 99
?² = 9
? = 3

(19) 2375 - 3312 + 3762 - 225 = ? × 13

2600/13 = ?
? = 200

(20) √49 + 6.66% of 1725 + 22² = ?² - √361

7 + 115 + 484 = ?² - 19
?² = 625
? = 25

(21) (35/14) of 500% of 98 ÷ 7 = ?

= 175

(22) (1995 ÷ 19 of 15 × 20) ÷ 2 + (17 × 3) = ?²

140/2 + 51 = 121
= 11

(23) (√1444 × √676 ÷ 13) + 70% of √3025 = ?

38 × 2 + 38.5
= 114.5

(24) (28)² ÷ (343)⅓ + (32)² = ?

- √4096

784 ÷ 7 + 1024 = ? - 64
= 1200

(25) 65% of 1080 ÷ 27 × 12 = ?² - √2401

312 + 49 = 361
= 19

(26) 55% of 560 + 520 × 24 = ? × (256¼)

308 + 12480 = ? × 4
= 3197

(27) (3/16) of 128 + (4/17) of 119 + (3/18) of 342 = ? - 3/17 of 306

24 + 28 + 57 = ? - 54
= 163

(28) (34 × 38) + (52 × 56) + (71 × 73) - (83 × 85) = ?

1292 + 2912 + 5183 - 7055 = ?
= 2332

(29) 27.75% of 306 + 42.85% of 133 = ?% of 2000

85 + 57 = ?% of 2000
= 7.1

(30) ∛4913 + 17²+ ³√13824 = ?

- √729

17 + 289 + 24 = ? - 27
330 + 27 = 357

(31) 2800 ÷ 70 × 16 = ?³ × 80

40 × 16 / 80 = 8
= 2

(32) 1334 + 2345 + 3327 = 2478 + ?

= 4528

(33) (95 × 94) - (102 × 108) + (205 × 206) = ? × 13

8930 - 11016 + 42230 /13 = 3088

(34) 99^2 + √4225 + 63.6% of 3300 = ? × $\sqrt[3]{8}$

(9801 + 65 + 2100) / 2
= 983

(35) (3/25) of 2950 + (1/19) of 1482 + (3/17) of 1938 = ?

(3× 118) + 78 + (3× 114)
= 774

(36) $15^3 \div 5^2$ + 23 × 21 + $\sqrt[3]{6859}$ = $?^2$ × 5 + 32

135 + 483 + 19 = $?^2$ × 5 + 32
605/5 = 121
= 11

(37) 75% of 960 + 48 × 1050 = ? × 15

(720 + 50400) / 15 = 3408

(38) 343.23 + 224.77 - 267.28 - 342.72 = ?
= -42

(39) √256 + √729 ÷ 3^2 = √? + $\sqrt[3]{4913}$

16 + 3 = √? + 17
19 -17 = 2
= 4

(40) 4.76% of 252 + 4.34% of 322 - 4.54% of 374 = √?

12 + 14 - 17 = 9
= 81

(41) 5/4 of (58 × ∛512) = 3480 ÷ ?

5/4 × 464 = 3480 ÷ ?
3480/580 = 6

(42) 128 × 588 ÷ 14 + 15² = ? + 14 × 15

5376 + 225 = ? + 210
= 5391

(43) (√169 + √729) × 18 – 7² = ?

780 - 49 = 671

(44) 3/? × 1728/432 = 22680 ÷ 27

12/? = 840
? = 1/70

(45) 80% of 1720 + √7921 = ? × 5² -35

1376 + 89 = ? × 25 - 35
1500/25 = 60

(46) 17 × √225 = ? × 105 × √9801

255 = ? × 10395
= 17/693

(47) (702÷ 13) – (15 × 18) + ∛216 = ? × 6

54 + 270 + 6 = 6x
330/6 = 55

(48) 62.5% of 520 + 41.66% of 216 = ?
- 15.38% of 234

10/16 × 520 + 5/12 × 216 = 2/13 × 234
325 + 90 + 36 = 451

(49) √2116 + 14² + (18 × 26) = 5/2 of ?

46 + 196 + 468 = 5/2 × ?
710 × 2/5 = 284

(50) 342.64 + 32.8 + 672.3 + 888.4 = ?

= 1936.14

(51) √676 + √1024 – (18 × 8) = ? – (13 × 18)

26 + 32 - 144 = ? - 234
= 148

(52) ? – 14^2 = 38 × 336 ÷ 28 + 36^2

? - 196 = 456 + 1296
? = 1948

(53) (34 × 91) ÷ 17 + 22^2 = ? × 6

(182 + 486) / 6 = 111

(54) (423 ÷ 47) × 18 + 33^2 = ? - (18 × 21)

9 × 18 + 1089 = ? - 378
= 1629

(55) 45% of 315 + 75% of 815 = ? + 13^2

141.75 + 611.25 = 584

(56) 32% of 450 - 2^4 = ? - 480 ÷ 15

144 - 16 = ? - 32
= 160

(57) (5035 ÷ 5) × 13 + 18^2 = ? - 12^2

1007 × 13 + 324 = ? - 144
13091 + 324 + 144 = 13559

(58) √11664 + √1764 + (33 × 31) = ?

108 + 42 + 1023 = 1173

(59) 900% of 54 + 800% of 42 = ? × $\sqrt[3]{216}$

486 + 336 = ? × 6
822/6 = 137

(60) $\sqrt{784} \times \sqrt{2304} + \sqrt{5184} \times \sqrt[3]{512} = 2^* \times \sqrt{225}$

28 × 48 + 72 × 8 = 2* × 15
1344 + 576 = 2* × 15
1920/15 = 2^7

(61) 1144 ÷ 13 ÷ 14 × 12362 = ? × √484

=77704/22
=3532

(62) $107^2 - 19^3 - 34^2 = ?^2 + 14 \times 5$

11449 - 6859 - 1156 = $?^2$ + 70
3434 - 70 = 3364
= 58

(63) (26/3 + 15/2 + 7/6) × 708 = ? × √2116/23

{(52 + 45 + 7)/6} × 708 = ? × 46/23
12272 ÷ 2 = 6136

(64) 48 × 20 + ($35^2 - 28^2$) ÷ √? = 981

960 + 441 / √? = 981

441 / √? = 21

√? =21

? = 441

(65) 47.5% of 8800 + 35% of 960 = ? × 2^2

4180 + 336 = ? × 4
4516/4 = 1129

(66) 56 × 72 – 22 × 25 + 32 × 34 = ? × 5

4032 - 550 + 1088 = ? × 5
4570/5 = 914

(67) $\sqrt[3]{39304} + \sqrt[3]{195112} - \sqrt{970299} = ?$

34 + 58 - 99
= -7

(68) 75% of { 8 × (6^2 × √256)} = ?

= 3/4 of { 8 × (576) } = ?
= 3/4 × 4608
= 3456

(69) 30.76% of 234 + 26.66% of 240 + 43.7% of 304 = ?

4/13 × 234 + 4/15 × 240 + 7/16 × 304 = ?
72 + 64 + 133 = 269

(70) 3033 + 303.3 + 208.3 - 103.4 = ?

= 3441.2

(71) 225% of 32 + 1572 ÷ 12 - 1445 ÷ 17 = ?

= 72 + 131 - 85
= 118

(72) √784 × (840 ÷ 24) = $?^3$ × 8 + 924

= 28 × 35 = $?^3$ × 8 + 924
= 980 - 924 = $?^3$ × 8
= 56/8 = 7
= 343

(73) (650% of 450 ÷ 15) ÷ 15 = ?

195/15 = 13

(74) 880% of 75 + 36% of 850 = ? × 6

660 + 306 = 6x
966/6 = 161

(75) $32^2 \times 8 \div \sqrt{256} = 8^*$

(1024 × 8) ÷ 16
$512 = 8^3$

(76) (3025 + 6075 - 8025 - 1070) × √625 = ? × 25

(5 × 25) × 25 = 25x
125/25 = 5

(77) (21.42% of 238 + 75% of 392 + 83.33% of 540) ÷ 15 = ?

(3/14 × 238 + 3/4 × 392 + 5/6 × 540) ÷ 15 = ?
(51 + 294 + 450) ÷ 15 = ?
795 ÷ 15 = 53

(78) 54 × 58 + $\sqrt[3]{4913}$ - 57 × 49 + 3/8 of 208 = ?

= 3132 + 17 - 2793 + 78 = ?
= 434

(79) (2/13) of 273 + (3/14) of 238 - (6/7) of 616 = ?

= 42 + 51 - 528
= - 435

(80) 3(4/5) + 6(2/5) + 3(4/2) + 2(7/2) - 3(6/5) = ?

11 + { (8 + 4 + 20 + 35 - 12) ÷ 10 }
11 + { 55/10}
33/2 = 16(1/2)

(81) (65% of 700) × 80 ÷ 40 = ?% of 8 - 60

455 × 80 / 40 = ?% of 8 - 60
97000/8 = 12125

(82) 86410 ÷ 5 - 3375 + 1025 of 2 - 4466 = ?

= 17282 - 3375 + 2050 - 4466

= 11491

(83) 42% of 650 + 48% of 1250 - 66% of 700 = ?

= 273 + 600 - 462
= 411

(84) (480 ÷ 40 × ?) - (30% of 450) = (4464 ÷ 18 × 6) + (85 + 92)

12x - 135 = 1488 + 177
x = 1800/12 = 150

(85) 5(6/3) + 18(1/12) = ? ÷ 18 + 4(3/12)

250/12 ×18 = 375

(86) 18.18% of 1980 + 13.33% of 1275 = ? - 28^2

2/11 × 1980 + 2/15 × 1275 = ? - 784
360 + 170 + 784 = 1314

(87) $18^2 + 5^4 + 8^3 \times 2^4$ = ?% of 300

324 + 625 + 8192 = ?% of 300
9141/3 = 3047

(88) (74 × 8) + 6.66% of 570 + 23^2 = $?^2$ + 3

592 + 38 + 529 = ? + 3
1159 - 3 = 1156 = 34^2

(89) 23% of 900 + 18 × 32 + 3/8 of 384 = ?

207 + 576 + 144 = 927

(90) 52^2 + 172.7% of 858 + 3/9 of 243 = ? + √729

2704 + 19/11 × 858 + 81 = ? + 27
2704 + 1482 + 81 - 27 = 4240

(91) √? × (45% of 605 of 20 ÷ 3) = 7260

√? × 1815 = 7260

√? = 4

? = 16

(92) 400% of 640 - 150% of 440 = ? × 5 - 85 × 22

2560 - 660 + 1870 = 5x - 1870
3770/5 = 754

(93) (22 × 24) + (32 × 34) - (18 × 17) = ? × 6 + 8

528 + 1088 - 306 - 8 = 6x
1302/6 = 217

(94) √5184 + ∛2744 + √484 = ? × √729

72 + 14 + 22 = ? × 27
108/27 = 4

(95) 13 × 15 + 13 × 19 + 22 × 13 - 34 × 13 = ?

13 (15 + 19 + 22 - 34) = ?
= 286

(96) (38 × 36) - 11^3 + 4.34% of 1748 = ?

1368 - 1331 + 1/23 × 1748 = ?
= 113

(97) 4875 + 1125 - 185 - 3333 + 2288 = ?

= 4770

(98) 3/17 of 1258 - 8/9 of 909 + 3/7 of 714 + 9/19 of 342 = ?

222 - 808 + 306 + 162 = ?
= - 118

(99) (24 × 38 × 43 × ?) / (120 × 152 × 387) = 22

(22 × 120 × 152 × 387) / (24 × 38 × 43)
= 3960

(100) 7/17 of 1394 + 38% of 600 = ?% of 4000

574 + 228 = ?% of 4000
802/40 = 20.05