



Mental Math World Cup 2024

Practice Sheet 3-**Answer Key**

Grandmaster Category

Section 1

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|----------------------------------|----------|----------|----------|----------|
| 1 | $17 + 5 - 1 = \underline{\quad}$ | 21 | 22 | 16 | 12 |
| 2 | $24 + 9 - 4 = \underline{\quad}$ | 29 | 26 | 38 | 34 |
| 3 | $30 + 7 - 4 = \underline{\quad}$ | 34 | 33 | 28 | 31 |
| 4 | $30 + 9 - 4 = \underline{\quad}$ | 40 | 39 | 37 | 35 |
| 5 | $58 + 7 - 1 = \underline{\quad}$ | 59 | 64 | 69 | 60 |
| 6 | $63 + 6 - 2 = \underline{\quad}$ | 75 | 58 | 76 | 67 |
| 7 | $62 + 9 - 1 = \underline{\quad}$ | 64 | 75 | 60 | 70 |
| 8 | $69 + 3 - 1 = \underline{\quad}$ | 71 | 65 | 79 | 63 |
| 9 | $95 + 7 - 5 = \underline{\quad}$ | 88 | 97 | 100 | 96 |
| 10 | $97 + 9 - 8 = \underline{\quad}$ | 104 | 95 | 101 | 98 |
| 11 | $26 - 9 - 6 = \underline{\quad}$ | 11 | 9 | 17 | 13 |
| 12 | $25 - 8 - 5 = \underline{\quad}$ | 16 | 12 | 13 | 17 |
| 13 | $31 - 1 - 1 = \underline{\quad}$ | 28 | 23 | 29 | 20 |
| 14 | $44 - 7 - 4 = \underline{\quad}$ | 39 | 38 | 33 | 41 |
| 15 | $48 - 6 - 4 = \underline{\quad}$ | 41 | 32 | 29 | 38 |
| 16 | $62 - 6 - 4 = \underline{\quad}$ | 45 | 44 | 49 | 52 |
| 17 | $76 - 7 - 7 = \underline{\quad}$ | 57 | 61 | 62 | 64 |
| 18 | $88 - 4 - 3 = \underline{\quad}$ | 78 | 79 | 81 | 85 |
| 19 | $91 - 6 - 2 = \underline{\quad}$ | 76 | 93 | 83 | 78 |
| 20 | $99 - 5 - 2 = \underline{\quad}$ | 84 | 99 | 85 | 92 |



Section 2

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|------------------|----------|----------|----------|----------|
| 1 | $16 + 43 = _$ | 53 | 59 | 61 | 54 |
| 2 | $50 + 23 = _$ | 77 | 73 | 70 | 83 |
| 3 | $58 + 45 = _$ | 107 | 103 | 93 | 96 |
| 4 | $93 + 17 = _$ | 102 | 106 | 115 | 110 |
| 5 | $46 + 73 = _$ | 123 | 127 | 119 | 110 |
| 6 | $52 + 72 = _$ | 123 | 133 | 124 | 134 |
| 7 | $54 + 84 = _$ | 132 | 138 | 137 | 143 |
| 8 | $99 + 43 = _$ | 141 | 143 | 142 | 146 |
| 9 | $93 + 71 = _$ | 154 | 163 | 164 | 168 |
| 10 | $91 + 85 = _$ | 176 | 186 | 181 | 178 |

Section 3

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|---------------------|----------|----------|----------|----------|
| 1 | $58 + 56 - 51 = _$ | 72 | 63 | 58 | 70 |
| 2 | $73 + 39 - 38 = _$ | 74 | 73 | 64 | 79 |
| 3 | $88 + 16 - 11 = _$ | 92 | 97 | 94 | 93 |
| 4 | $56 + 52 - 13 = _$ | 95 | 99 | 93 | 103 |
| 5 | $95 + 70 - 65 = _$ | 109 | 108 | 100 | 101 |
| 6 | $89 + 56 - 33 = _$ | 113 | 112 | 104 | 107 |
| 7 | $85 + 50 - 20 = _$ | 115 | 124 | 122 | 109 |
| 8 | $94 + 71 - 47 = _$ | 113 | 118 | 128 | 111 |
| 9 | $91 + 74 - 39 = _$ | 131 | 126 | 125 | 116 |
| 10 | $94 + 81 - 31 = _$ | 142 | 144 | 135 | 152 |
| 11 | $94 - 86 - 7 = _$ | 8 | 1 | 11 | 4 |
| 12 | $60 - 45 - 13 = _$ | 2 | 15 | 9 | 1 |
| 13 | $70 - 50 - 18 = _$ | 1 | 2 | 20 | 4 |
| 14 | $47 - 41 - 3 = _$ | 6 | 7 | 3 | 0 |
| 15 | $75 - 46 - 23 = _$ | 6 | 0 | 29 | 15 |
| 16 | $62 - 42 - 12 = _$ | 16 | 8 | 2 | 6 |
| 17 | $92 - 64 - 13 = _$ | 8 | 6 | 15 | 22 |
| 18 | $65 - 27 - 19 = _$ | 18 | 20 | 19 | 14 |
| 19 | $76 - 35 - 10 = _$ | 38 | 34 | 31 | 26 |
| 20 | $85 - 18 - 13 = _$ | 57 | 64 | 48 | 54 |



Section 4

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|-------------------------------|----------|----------|----------|----------|
| 1 | Double of 19 + Half of 28 = _ | 62 | 52 | 49 | 55 |
| 2 | Double of 18 + Half of 36 = _ | 44 | 45 | 52 | 54 |
| 3 | Double of 15 + Half of 78 = _ | 71 | 65 | 69 | 79 |
| 4 | Double of 37 + Half of 70 = _ | 103 | 117 | 109 | 111 |
| 5 | Double of 37 + Half of 82 = _ | 110 | 108 | 107 | 115 |
| 6 | Double of 51 + Half of 42 = _ | 114 | 121 | 113 | 123 |
| 7 | Double of 48 + Half of 82 = _ | 145 | 136 | 147 | 137 |
| 8 | Double of 64 + Half of 66 = _ | 170 | 164 | 168 | 161 |
| 9 | Double of 74 + Half of 78 = _ | 195 | 182 | 189 | 187 |
| 10 | Double of 90 + Half of 82 = _ | 211 | 221 | 220 | 218 |
| 11 | Double of 12 = _ | 24 | 22 | 29 | 33 |
| 12 | Double of 32 = _ | 70 | 69 | 64 | 67 |
| 13 | Double of 47 = _ | 91 | 101 | 94 | 96 |
| 14 | Double of 50 = _ | 93 | 100 | 107 | 110 |
| 15 | Double of 65 = _ | 130 | 126 | 123 | 134 |
| 16 | Double of 83 = _ | 159 | 166 | 162 | 157 |
| 17 | Double of 88 = _ | 179 | 184 | 181 | 176 |
| 18 | Double of 92 = _ | 178 | 184 | 192 | 189 |
| 19 | Double of 94 = _ | 188 | 182 | 189 | 191 |
| 20 | Double of 97 = _ | 188 | 204 | 194 | 193 |

Section 5

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|------------------|----------|----------|----------|----------|
| 1 | Half of 132 = _ | 74 | 71 | 66 | 63 |
| 2 | Half of 144 = _ | 74 | 82 | 69 | 72 |
| 3 | Half of 264 = _ | 140 | 138 | 139 | 132 |
| 4 | Half of 316 = _ | 164 | 150 | 152 | 158 |
| 5 | Half of 386 = _ | 190 | 195 | 193 | 198 |
| 6 | Half of 472 = _ | 236 | 235 | 240 | 246 |
| 7 | Half of 592 = _ | 304 | 299 | 291 | 296 |
| 8 | Half of 820 = _ | 401 | 410 | 419 | 409 |
| 9 | Half of 858 = _ | 432 | 426 | 429 | 433 |
| 10 | Half of 890 = _ | 455 | 445 | 451 | 446 |



| | | | | | |
|----|-------------------|------|------|------|------|
| 11 | Double of 125 = _ | 260 | 253 | 252 | 250 |
| 12 | Double of 133 = _ | 269 | 268 | 272 | 266 |
| 13 | Double of 197 = _ | 386 | 387 | 393 | 394 |
| 14 | Double of 328 = _ | 652 | 656 | 659 | 653 |
| 15 | Double of 505 = _ | 1014 | 1001 | 1010 | 1012 |
| 16 | Double of 551 = _ | 1092 | 1096 | 1102 | 1094 |
| 17 | Double of 617 = _ | 1238 | 1237 | 1234 | 1243 |
| 18 | Double of 875 = _ | 1752 | 1758 | 1751 | 1750 |
| 19 | Double of 906 = _ | 1803 | 1806 | 1816 | 1812 |
| 20 | Double of 925 = _ | 1842 | 1856 | 1848 | 1850 |

Section 6

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|---------------------------------|----------|----------|----------|----------|
| 1 | Double of 16 + Half of 186 = _ | 131 | 125 | 135 | 128 |
| 2 | Double of 36 + Half of 110 = _ | 127 | 132 | 122 | 135 |
| 3 | Double of 22 + Half of 184 = _ | 132 | 136 | 127 | 134 |
| 4 | Double of 47 + Half of 134 = _ | 164 | 161 | 153 | 162 |
| 5 | Double of 43 + Half of 190 = _ | 185 | 182 | 181 | 180 |
| 6 | Double of 51 + Half of 182 = _ | 193 | 202 | 187 | 185 |
| 7 | Double of 88 + Half of 114 = _ | 237 | 233 | 242 | 232 |
| 8 | Double of 77 + Half of 170 = _ | 248 | 244 | 245 | 239 |
| 9 | Double of 77 + Half of 184 = _ | 249 | 246 | 241 | 251 |
| 10 | Double of 90 + Half of 188 = _ | 278 | 265 | 274 | 266 |
| 11 | Double of 11 + Double of 35 = _ | 92 | 95 | 100 | 85 |
| 12 | Double of 57 + Double of 33 = _ | 181 | 182 | 190 | 180 |
| 13 | Double of 56 + Double of 35 = _ | 182 | 187 | 173 | 192 |
| 14 | Double of 48 + Double of 49 = _ | 203 | 186 | 190 | 194 |
| 15 | Double of 88 + Double of 20 = _ | 216 | 220 | 215 | 208 |
| 16 | Double of 24 + Double of 99 = _ | 239 | 246 | 253 | 238 |
| 17 | Double of 91 + Double of 32 = _ | 246 | 255 | 252 | 236 |
| 18 | Double of 89 + Double of 40 = _ | 263 | 267 | 259 | 258 |
| 19 | Double of 76 + Double of 74 = _ | 300 | 299 | 293 | 304 |
| 20 | Double of 79 + Double of 98 = _ | 354 | 348 | 363 | 357 |



Section 7

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|------------------|----------|----------|----------|----------|
| 1 | Triple of 22 = _ | 66 | 72 | 69 | 60 |
| 2 | Triple of 35 = _ | 96 | 100 | 105 | 110 |
| 3 | Triple of 53 = _ | 159 | 156 | 166 | 150 |
| 4 | Triple of 54 = _ | 162 | 167 | 172 | 163 |
| 5 | Triple of 74 = _ | 212 | 222 | 217 | 221 |

Section 8

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|-------------------|----------|----------|----------|----------|
| 1 | Triple of 172 = _ | 512 | 526 | 509 | 516 |
| 2 | Triple of 477 = _ | 1431 | 1441 | 1438 | 1440 |
| 3 | Triple of 656 = _ | 1971 | 1966 | 1968 | 1967 |
| 4 | Triple of 688 = _ | 2060 | 2071 | 2064 | 2063 |
| 5 | Triple of 721 = _ | 2162 | 2163 | 2168 | 2157 |

Section 9

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|-----------------------------|----------|----------|----------|----------|
| 1 | 16, 38, 27 Mean = _ | 34 | 27 | 22 | 17 |
| 2 | 10, 38, 39 Mean = _ | 30 | 34 | 20 | 29 |
| 3 | 15, 26, 97 Mean = _ | 40 | 49 | 43 | 46 |
| 4 | 68, 90, 40 Mean = _ | 68 | 66 | 65 | 58 |
| 5 | 64, 50, 90 Mean = _ | 68 | 71 | 77 | 74 |
| 6 | 85, 66, 71 Mean = _ | 75 | 78 | 74 | 68 |
| 7 | 97, 77, 57 Mean = _ | 77 | 80 | 74 | 79 |
| 8 | 39, 47, 66, 11, 37 Mean = _ | 38 | 32 | 37 | 40 |
| 9 | 20, 11, 36, 85, 83 Mean = _ | 48 | 38 | 43 | 47 |
| 10 | 84, 15, 65, 28, 53 Mean = _ | 49 | 45 | 47 | 40 |
| 11 | 91, 61, 38, 31, 64 Mean = _ | 57 | 60 | 48 | 51 |
| 12 | 64, 72, 73, 55, 21 Mean = _ | 60 | 57 | 66 | 52 |
| 13 | 61, 62, 28, 82, 92 Mean = _ | 73 | 63 | 65 | 72 |
| 14 | 51, 97, 44, 47, 96 Mean = _ | 71 | 63 | 67 | 64 |
| 15 | Half of 2668 = _ | 1344 | 1334 | 1336 | 1328 |
| 16 | Half of 3992 = _ | 1986 | 2006 | 1996 | 1990 |
| 17 | Half of 6716 = _ | 3355 | 3362 | 3358 | 3361 |
| 18 | Half of 3536 = _ | 1764 | 1761 | 1768 | 1766 |
| 19 | Half of 8664 = _ | 4324 | 4336 | 4333 | 4332 |



Section 10

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|--|----------|----------|----------|----------|
| 1 | Cost price = 207, Selling Price = 305 Profit = __ | 90 | 91 | 92 | 98 |
| 2 | Cost price = 215, Selling Price = 66 Loss = __ | 141 | 147 | 149 | 139 |
| 3 | Cost price = 491, Selling Price = 240 Loss = __ | 251 | 252 | 255 | 247 |
| 4 | Cost price = 867, Selling Price = 563 Loss = __ | 305 | 298 | 304 | 308 |
| 5 | Cost price = 908, Selling Price = 381 Loss = __ | 523 | 522 | 527 | 531 |
| 6 | Cost price = 917, Selling Price = 357 Loss = __ | 554 | 552 | 560 | 568 |
| 7 | Cost price = 987, Selling Price = 424 Loss = __ | 564 | 565 | 561 | 563 |
| 8 | Cost price = 456, Selling Price = 255 Loss = __ | 211 | 201 | 194 | 193 |
| 9 | Cost price = 472, Selling Price = 231 Loss = __ | 249 | 241 | 250 | 238 |
| 10 | Cost price = 572, Selling Price = 881 Profit = __ | 307 | 312 | 309 | 306 |
| 11 | Cost price = 761, Selling Price = 289 Loss = __ | 481 | 468 | 466 | 472 |
| 12 | Cost price = 689, Selling Price = 192 Loss = __ | 497 | 504 | 498 | 501 |
| 13 | Cost price = 893, Selling Price = 357 Loss = __ | 536 | 543 | 545 | 528 |
| 14 | Cost price = 929, Selling Price = 334 Loss = __ | 591 | 604 | 595 | 590 |

Section 11

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|------------------|----------|----------|----------|----------|
| 1 | $1^2 =$ __ | 5 | 1 | 6 | 2 |
| 2 | $4^2 =$ __ | 9 | 15 | 16 | 10 |
| 3 | $5^2 =$ __ | 31 | 32 | 26 | 25 |
| 4 | $7^2 =$ __ | 55 | 58 | 49 | 53 |
| 5 | $9^2 =$ __ | 87 | 81 | 80 | 89 |
| 6 | $14^2 =$ __ | 199 | 198 | 190 | 196 |
| 7 | $22^2 =$ __ | 486 | 476 | 493 | 484 |
| 8 | $27^2 =$ __ | 726 | 724 | 729 | 735 |



| | | | | | |
|----|-------------|------|------|------|------|
| 9 | $31^2 = _$ | 954 | 961 | 968 | 962 |
| 10 | $34^2 = _$ | 1165 | 1156 | 1147 | 1148 |
| 11 | $35^2 = _$ | 1219 | 1231 | 1225 | 1230 |
| 12 | $41^2 = _$ | 1688 | 1682 | 1674 | 1681 |
| 13 | $60^2 = _$ | 3606 | 3600 | 3594 | 3601 |
| 14 | $82^2 = _$ | 6732 | 6723 | 6724 | 6718 |
| 15 | $99^2 = _$ | 9791 | 9802 | 9801 | 9799 |

Section 12

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|---------------------|----------|----------|----------|----------|
| 1 | $419 + 71 - 6 = _$ | 493 | 484 | 477 | 491 |
| 2 | $651 + 31 - 2 = _$ | 674 | 685 | 672 | 680 |
| 3 | $732 + 10 - 8 = _$ | 734 | 739 | 737 | 741 |
| 4 | $678 + 77 - 1 = _$ | 754 | 749 | 763 | 744 |
| 5 | $958 + 39 - 1 = _$ | 987 | 999 | 996 | 997 |
| 6 | $263 - 58 + 8 = _$ | 213 | 204 | 222 | 223 |
| 7 | $309 - 28 + 9 = _$ | 285 | 283 | 286 | 290 |
| 8 | $710 - 77 + 2 = _$ | 643 | 625 | 635 | 631 |
| 9 | $856 - 87 + 8 = _$ | 776 | 775 | 777 | 784 |
| 10 | $916 - 87 + 7 = _$ | 829 | 836 | 838 | 843 |

Section 13

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|----------------------|----------|----------|----------|----------|
| 1 | $80 \times _ = 160$ | 10 | 4 | 6 | 2 |
| 2 | $69 \times _ = 138$ | 69 | 0 | 2 | 138 |
| 3 | $71 \times _ = 142$ | 71 | 1 | 8 | 2 |
| 4 | $12 \times _ = 24$ | 2 | 11 | 12 | 1 |
| 5 | $11 \times _ = 44$ | 1 | 10 | 4 | 7 |
| 6 | $47 \times _ = 188$ | 4 | 14 | 9 | 10 |
| 7 | $82 \times _ = 574$ | 5 | 3 | 7 | 16 |
| 8 | $86 \times _ = 688$ | 8 | 15 | 5 | 2 |
| 9 | $71 \times _ = 639$ | 9 | 6 | 19 | 12 |
| 10 | $79 \times _ = 711$ | 4 | 9 | 1 | 17 |



Section 14

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|----------------------------|----------|----------|----------|----------|
| 1 | $2 \times 2 \times 7 = _$ | 28 | 37 | 27 | 21 |
| 2 | $6 \times 6 \times 1 = _$ | 37 | 29 | 36 | 44 |
| 3 | $7 \times 7 \times 1 = _$ | 57 | 49 | 42 | 52 |
| 4 | $6 \times 9 \times 1 = _$ | 51 | 53 | 54 | 59 |
| 5 | $3 \times 3 \times 6 = _$ | 60 | 52 | 46 | 54 |
| 6 | $5 \times 4 \times 3 = _$ | 62 | 66 | 68 | 60 |
| 7 | $8 \times 3 \times 5 = _$ | 123 | 120 | 112 | 118 |
| 8 | $5 \times 5 \times 5 = _$ | 118 | 125 | 120 | 116 |
| 9 | $2 \times 8 \times 9 = _$ | 152 | 144 | 139 | 136 |
| 10 | $5 \times 9 \times 5 = _$ | 235 | 233 | 225 | 227 |

Section 15

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|---------------------|----------|----------|----------|----------|
| 1 | $39 \times 15 = _$ | 587 | 577 | 579 | 585 |
| 2 | $31 \times 20 = _$ | 620 | 624 | 613 | 623 |
| 3 | $46 \times 36 = _$ | 1648 | 1656 | 1661 | 1663 |
| 4 | $33 \times 60 = _$ | 1985 | 1990 | 1984 | 1980 |
| 5 | $23 \times 91 = _$ | 2090 | 2093 | 2087 | 2099 |
| 6 | $34 \times 71 = _$ | 2414 | 2421 | 2424 | 2409 |
| 7 | $49 \times 51 = _$ | 2495 | 2499 | 2496 | 2497 |
| 8 | $93 \times 31 = _$ | 2878 | 2883 | 2891 | 2877 |
| 9 | $72 \times 48 = _$ | 3456 | 3446 | 3448 | 3454 |
| 10 | $70 \times 54 = _$ | 3780 | 3771 | 3790 | 3774 |
| 11 | $\sqrt{100} = _$ | 10 | 6 | 13 | 20 |
| 12 | $\sqrt{361} = _$ | 19 | 23 | 14 | 18 |
| 13 | $\sqrt{441} = _$ | 13 | 30 | 17 | 21 |
| 14 | $\sqrt{729} = _$ | 20 | 27 | 24 | 31 |
| 15 | $\sqrt{900} = _$ | 39 | 30 | 32 | 23 |
| 16 | $\sqrt{1681} = _$ | 34 | 41 | 48 | 36 |
| 17 | $\sqrt{1764} = _$ | 42 | 52 | 39 | 47 |
| 18 | $\sqrt{2809} = _$ | 44 | 47 | 50 | 53 |
| 19 | $\sqrt{2916} = _$ | 58 | 49 | 51 | 54 |
| 20 | $\sqrt{3025} = _$ | 55 | 56 | 53 | 46 |



| | | | | | |
|----|--------------------|-----|-----|----|-----|
| 21 | $\sqrt{4225} = _$ | 58 | 65 | 68 | 72 |
| 22 | $\sqrt{5929} = _$ | 81 | 83 | 84 | 77 |
| 23 | $\sqrt{8836} = _$ | 102 | 94 | 88 | 99 |
| 24 | $\sqrt{9604} = _$ | 103 | 108 | 98 | 95 |
| 25 | $\sqrt{9801} = _$ | 106 | 99 | 97 | 109 |

Section 16

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|---------------------------|----------|----------|----------|----------|
| 1 | Cube Root of 21952 = $_$ | 33 | 23 | 28 | 37 |
| 2 | Cube Root of 29791 = $_$ | 41 | 30 | 27 | 31 |
| 3 | Cube Root of 35937 = $_$ | 26 | 28 | 33 | 41 |
| 4 | Cube Root of 42875 = $_$ | 41 | 35 | 44 | 43 |
| 5 | Cube Root of 46656 = $_$ | 38 | 27 | 36 | 41 |
| 6 | Cube Root of 50653 = $_$ | 32 | 42 | 37 | 29 |
| 7 | Cube Root of 68921 = $_$ | 41 | 49 | 38 | 50 |
| 8 | Cube Root of 79507 = $_$ | 43 | 36 | 50 | 41 |
| 9 | Cube Root of 97336 = $_$ | 39 | 46 | 56 | 42 |

Section 17

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|------------------|----------|----------|----------|----------|
| 1 | $106 + 58 = _$ | 173 | 164 | 154 | 169 |
| 2 | $238 + 61 = _$ | 297 | 307 | 299 | 295 |
| 3 | $606 + 15 = _$ | 618 | 621 | 625 | 611 |
| 4 | $648 + 41 = _$ | 692 | 682 | 680 | 689 |
| 5 | $923 + 25 = _$ | 949 | 952 | 947 | 948 |
| 6 | $177 - 48 = _$ | 133 | 134 | 129 | 127 |
| 7 | $607 - 19 = _$ | 596 | 588 | 578 | 582 |
| 8 | $751 - 99 = _$ | 652 | 658 | 660 | 645 |
| 9 | $905 - 78 = _$ | 821 | 827 | 829 | 818 |
| 10 | $992 - 95 = _$ | 897 | 900 | 896 | 904 |



Section 18

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|-------------------------------------|----------|----------|----------|----------|
| 1 | $189 + 170 = \underline{\quad}$ | 364 | 367 | 363 | 359 |
| 2 | $288 + 434 = \underline{\quad}$ | 716 | 712 | 722 | 732 |
| 3 | $461 + 456 = \underline{\quad}$ | 909 | 922 | 925 | 917 |
| 4 | $859 + 371 = \underline{\quad}$ | 1230 | 1225 | 1233 | 1229 |
| 5 | $720 + 619 = \underline{\quad}$ | 1330 | 1332 | 1339 | 1329 |
| 6 | $104 - 51 + 18 = \underline{\quad}$ | 71 | 77 | 65 | 69 |
| 7 | $333 - 88 + 56 = \underline{\quad}$ | 291 | 298 | 301 | 300 |
| 8 | $545 - 86 + 43 = \underline{\quad}$ | 505 | 492 | 512 | 502 |
| 9 | $606 - 46 + 37 = \underline{\quad}$ | 596 | 597 | 587 | 601 |
| 10 | $799 - 55 + 15 = \underline{\quad}$ | 760 | 768 | 758 | 759 |
| 11 | $142 + 33 - 15 = \underline{\quad}$ | 153 | 156 | 158 | 160 |
| 12 | $207 + 53 - 46 = \underline{\quad}$ | 211 | 205 | 220 | 214 |
| 13 | $173 + 96 - 31 = \underline{\quad}$ | 238 | 233 | 240 | 241 |
| 14 | $465 + 86 - 77 = \underline{\quad}$ | 467 | 479 | 474 | 475 |
| 15 | $453 + 89 - 36 = \underline{\quad}$ | 504 | 506 | 510 | 505 |

Section 19

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|----------------------------------|----------|----------|----------|----------|
| 1 | $2965 - 655 = \underline{\quad}$ | 2305 | 2310 | 2308 | 2304 |
| 2 | $3869 - 276 = \underline{\quad}$ | 3593 | 3595 | 3592 | 3596 |
| 3 | $5334 - 458 = \underline{\quad}$ | 4867 | 4875 | 4876 | 4877 |
| 4 | $6221 - 454 = \underline{\quad}$ | 5767 | 5770 | 5768 | 5763 |
| 5 | $8410 - 928 = \underline{\quad}$ | 7482 | 7491 | 7484 | 7488 |

Section 20

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|---------------------------------------|----------|----------|----------|----------|
| 1 | $200 + 728 + 185 = \underline{\quad}$ | 1113 | 1107 | 1117 | 1122 |
| 2 | $754 + 440 + 179 = \underline{\quad}$ | 1371 | 1373 | 1366 | 1381 |
| 3 | $553 + 625 + 252 = \underline{\quad}$ | 1437 | 1430 | 1433 | 1439 |
| 4 | $277 + 887 + 427 = \underline{\quad}$ | 1583 | 1595 | 1591 | 1592 |
| 5 | $858 + 786 + 125 = \underline{\quad}$ | 1764 | 1769 | 1762 | 1760 |



Section 21

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|-----------------------------------|----------|----------|----------|----------|
| 1 | $(63 + 26) \times (35 + 34) = _$ | 6139 | 6137 | 6151 | 6141 |
| 2 | $(36 + 26) \times (68 + 37) = _$ | 6517 | 6510 | 6518 | 6502 |
| 3 | $(56 + 83) \times (22 + 51) = _$ | 10154 | 10147 | 10152 | 10157 |
| 4 | $(75 + 68) \times (50 + 63) = _$ | 16159 | 16154 | 16162 | 16156 |
| 5 | $(98 + 30) \times (95 + 77) = _$ | 22014 | 22016 | 22010 | 22024 |

Section 22

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|-----------------------|---------------|---------------|---------------|---------------|
| 1 | Multiple of 53 = $_$ | 108, 267, 427 | 112, 269, 430 | 115, 273, 433 | 106, 265, 424 |
| 2 | Multiple of 67 = $_$ | 134, 201, 402 | 136, 202, 403 | 140, 206, 407 | 141, 210, 410 |
| 3 | Multiple of 89 = $_$ | 181, 626, 802 | 178, 623, 801 | 184, 629, 807 | 186, 630, 808 |
| 4 | Multiple of 90 = $_$ | 453, 543, 811 | 457, 547, 818 | 456, 546, 816 | 450, 540, 810 |
| 5 | Multiple of 27 = $_$ | 55, 111, 136 | 59, 60, 113 | 54, 108, 135 | 62, 63, 116 |

Section 23

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|-----------------------------|----------|----------|----------|----------|
| 1 | Find the LCM of 14 and 96 ? | 674 | 678 | 666 | 672 |
| 2 | Find the LCM of 30 and 37 ? | 1105 | 1100 | 1114 | 1110 |
| 3 | Find the LCM of 42 and 62 ? | 1302 | 1299 | 1294 | 1312 |
| 4 | Find the LCM of 80 and 42 ? | 1675 | 1680 | 1684 | 1674 |
| 5 | Find the LCM of 51 and 38 ? | 1935 | 1934 | 1928 | 1938 |
| 6 | Find the LCM of 78 and 25 ? | 1945 | 1950 | 1955 | 1943 |
| 7 | Find the LCM of 96 and 46 ? | 2205 | 2208 | 2211 | 2216 |
| 8 | Find the LCM of 52 and 49 ? | 2545 | 2555 | 2540 | 2548 |
| 9 | Find the LCM of 44 and 63 ? | 2782 | 2769 | 2772 | 2779 |
| 10 | Find the LCM of 76 and 89 ? | 6764 | 6765 | 6766 | 6763 |



Section 24

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|----------------------------|----------|----------|----------|----------|
| 1 | Find the HCF of 38, 21 = _ | 1 | 5 | 4 | 9 |
| 2 | Find the HCF of 54, 38 = _ | 9 | 2 | 5 | 4 |
| 3 | Find the HCF of 80, 62 = _ | 4 | 3 | 7 | 2 |
| 4 | Find the HCF of 30, 63 = _ | 4 | 5 | 3 | 2 |
| 5 | Find the HCF of 65, 75 = _ | 5 | 10 | 2 | 3 |

Section 25

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|------------------|----------|----------|----------|----------|
| 1 | $112 / 7 = _$ | 6 | 25 | 16 | 20 |
| 2 | $168 / 7 = _$ | 16 | 24 | 18 | 31 |
| 3 | $270 / 9 = _$ | 30 | 20 | 39 | 37 |
| 4 | $427 / 7 = _$ | 65 | 55 | 61 | 66 |
| 5 | $942 / 2 = _$ | 475 | 474 | 480 | 471 |

Section 26

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|------------------------------|----------|----------|----------|----------|
| 1 | Remainder of $15 / 1 = _$ | 1 | 7 | 6 | 0 |
| 2 | Remainder of $76 / 3 = _$ | 0 | 2 | 1 | 5 |
| 3 | Remainder of $80 / 6 = _$ | 2 | 4 | 3 | 5 |
| 4 | Remainder of $19 / 4 = _$ | 2 | 1 | 5 | 3 |
| 5 | Remainder of $44 / 9 = _$ | 7 | 8 | 6 | 5 |
| 6 | Remainder of $723 / 20 = _$ | 7 | 3 | 10 | 19 |
| 7 | Remainder of $377 / 20 = _$ | 17 | 27 | 12 | 13 |
| 8 | Remainder of $309 / 36 = _$ | 30 | 12 | 21 | 20 |
| 9 | Remainder of $381 / 84 = _$ | 45 | 55 | 54 | 52 |
| 10 | Remainder of $372 / 77 = _$ | 58 | 64 | 54 | 59 |



Section 27

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|------------------|----------|----------|----------|----------|
| 1 | 5% of 20 = _ | 2 | 0 | 1 | 5 |
| 2 | 25% of 52 = _ | 9 | 3 | 12 | 13 |
| 3 | 20% of 85 = _ | 18 | 17 | 12 | 16 |
| 4 | 25% of 72 = _ | 19 | 10 | 26 | 18 |
| 5 | 25% of 92 = _ | 23 | 21 | 22 | 13 |
| 6 | 50% of 46 = _ | 27 | 33 | 23 | 31 |
| 7 | 50% of 82 = _ | 39 | 49 | 41 | 42 |
| 8 | 50% of 98 = _ | 45 | 59 | 55 | 49 |
| 9 | 50% of 158 = _ | 88 | 85 | 79 | 70 |
| 10 | 25% of 516 = _ | 123 | 120 | 138 | 129 |
| 11 | 20% of 665 = _ | 133 | 131 | 125 | 138 |
| 12 | 25% of 536 = _ | 143 | 124 | 142 | 134 |
| 13 | 25% of 552 = _ | 147 | 133 | 138 | 137 |
| 14 | 50% of 302 = _ | 151 | 159 | 153 | 147 |
| 15 | 50% of 718 = _ | 349 | 360 | 359 | 352 |
| 16 | 50% of 742 = _ | 371 | 377 | 369 | 366 |

Section 28

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|--------------------------|-------------|---------------|------------|---------------|
| 1 | Prime Factors of 88 = _ | 3, 5, 13 | 7, 8, 16 | 9, 11, 19 | 2, 2, 2, 11 |
| 2 | Prime Factors of 48 = _ | 3, 4, 5 | 2, 2, 2, 2, 3 | 7, 8 | 9, 10 |
| 3 | Prime Factors of 62 = _ | 5, 33 | 7, 36 | 2, 31 | 9, 40 |
| 4 | Prime Factors of 81 = _ | 3, 3, 3, 3 | 5, 6 | 7, 8, 9 | 10, 12 |
| 5 | Prime Factors of 21 = _ | 5, 8 | 8, 12 | 3, 7 | 10, 15 |
| 6 | Prime Factors of 204 = _ | 2, 2, 3, 17 | 4, 5, 6, 19 | 6, 7, 23 | 9, 10, 11, 24 |
| 7 | Prime Factors of 970 = _ | 3, 7, 99 | 2, 5, 97 | 8, 9, 103 | 9, 13, 105 |
| 8 | Prime Factors of 826 = _ | 4, 8, 62 | 6, 11, 63 | 10, 14, 67 | 2, 7, 59 |
| 9 | Prime Factors of 854 = _ | 4, 10, 62 | 6, 12, 65 | 11, 16, 69 | 2, 7, 61 |
| 10 | Prime Factors of 707 = _ | 10, 102 | 13, 107 | 7, 101 | 14, 109 |



Section 29

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|--------------------------------|----------|----------|----------|----------|
| 1 | $88 : 776 = \underline{\quad}$ | 11:97 | 20:99 | 17:100 | 12:106 |
| 2 | $12 : 138 = \underline{\quad}$ | 4:24 | 2:23 | 8:26 | 3:25 |
| 3 | $15 : 185 = \underline{\quad}$ | 11:39 | 7:39 | 3:37 | 11:38 |
| 4 | $18 : 366 = \underline{\quad}$ | 8:67 | 3:61 | 10:70 | 10:62 |
| 5 | $40 : 824 = \underline{\quad}$ | 10:106 | 5:103 | 8:111 | 11:104 |
| 6 | $55 : 15 = \underline{\quad}$ | 13:7 | 13:4 | 13:5 | 11:3 |
| 7 | $77 : 35 = \underline{\quad}$ | 12:8 | 20:6 | 18:11 | 11:5 |
| 8 | $21 : 35 = \underline{\quad}$ | 7:8 | 11:10 | 3:5 | 6:8 |
| 9 | $40 : 88 = \underline{\quad}$ | 10:17 | 8:13 | 5:11 | 9:17 |
| 10 | $45 : 18 = \underline{\quad}$ | 12:7 | 13:11 | 5:2 | 7:3 |

Section 30

| Sr.no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|-------|--------------------------------|----------|----------|----------|----------|
| 1 | $96 / 48 = \underline{\quad}$ | 12 | 2 | 9 | 8 |
| 2 | $544 / 32 = \underline{\quad}$ | 17 | 27 | 7 | 20 |
| 3 | $288 / 16 = \underline{\quad}$ | 21 | 12 | 18 | 16 |
| 4 | $486 / 18 = \underline{\quad}$ | 23 | 25 | 26 | 27 |
| 5 | $564 / 12 = \underline{\quad}$ | 55 | 39 | 42 | 47 |