



Global Mental Math Olympiad 2024

Question Bank 2

Zen Master Challenge

| Sr no | Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|--------------|---|-----------------|-----------------|-----------------|-----------------|
| 1 | Half of 6428 = _ | 3207 | 3206 | 3211 | 3214 |
| 2 | Cost price = 645, Selling Price = 328 Loss = _ | 316 | 326 | 324 | 317 |
| 3 | Double of 26 + Double of 78 = _ | 217 | 210 | 198 | 208 |
| 4 | $\sqrt{1225}$ = _ | 43 | 30 | 35 | 25 |
| 5 | 874 / 46 Quotient = _ | 19 | 29 | 28 | 23 |
| 6 | 18 : 354 = _ | 3:59 | 9:61 | 8:60 | 4:62 |
| 7 | 92 + 78 - 58 = _ | 112 | 114 | 102 | 119 |
| 8 | 656 + 46 - 27 = _ | 683 | 676 | 675 | 678 |
| 9 | 14, 80, 33, 28, 80 Mean = _ | 46 | 43 | 49 | 47 |
| 10 | 510 / 3 Quotient = _ | 160 | 170 | 177 | 176 |
| 11 | 28 + 24 - 16 = _ | 44 | 45 | 36 | 37 |
| 12 | 7872 - 501 = _ | 7371 | 7361 | 7373 | 7372 |
| 13 | 9007 - 675 = _ | 8341 | 8332 | 8334 | 8339 |
| 14 | 244 + 315 = _ | 564 | 559 | 560 | 549 |
| 15 | 48, 27, 72 Mean = _ | 55 | 51 | 42 | 49 |
| 16 | Double of 91 + Half of 138 = _ | 257 | 259 | 251 | 252 |
| 17 | $(42 + 69) \times (33 + 95)$ = _ | 14212 | 14215 | 14198 | 14208 |
| 18 | Prime Factors of 30 = _ | 4, 8 | 7, 9 | 2, 3, 5 | 10, 12 |
| 19 | Remainder of 93 / 8 = _ | 6 | 10 | 5 | 3 |
| 20 | $6 \times 6 \times 5$ = _ | 181 | 180 | 170 | 184 |
| 21 | 49×57 = _ | 2783 | 2798 | 2793 | 2794 |
| 22 | Cube Root of 59319 = _ | 43 | 29 | 31 | 39 |
| 23 | 883 + 92 = _ | 978 | 984 | 975 | 976 |
| 24 | 50% of 58 = _ | 32 | 29 | 24 | 28 |
| 25 | Half of 5056 = _ | 2526 | 2530 | 2537 | 2528 |



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|----|---|---------------|---------------|---------------|---------------|
| 26 | Multiple of 70 = _ | 352, 422, 423 | 350, 420, 490 | 357, 428, 499 | 354, 425, 426 |
| 27 | $388 \times 2 =$ _ | 776 | 779 | 766 | 777 |
| 28 | $549 + 78 - 32 =$ _ | 596 | 585 | 595 | 599 |
| 29 | Cube Root of 13824 = _ | 23 | 24 | 34 | 28 |
| 30 | Cost price = 664, Selling Price = 1096 Profit = _ | 435 | 434 | 422 | 432 |
| 31 | Find the LCM of 56 and 88 ? | 613 | 625 | 618 | 616 |
| 32 | 20% of 915 = _ | 178 | 185 | 183 | 175 |
| 33 | $73 \times 95 =$ _ | 6936 | 6940 | 6939 | 6935 |
| 34 | 65% of 400 = _ | 264 | 260 | 251 | 265 |
| 35 | $34 \times 95 =$ _ | 3320 | 3220 | 3234 | 3230 |
| 36 | Cube Root of 15625 = _ | 25 | 30 | 26 | 15 |
| 37 | 59, 25, 71, 62, 68 Mean = _ | 57 | 52 | 65 | 48 |
| 38 | 80, 79, 64, 38, 74 Mean = _ | 64 | 76 | 72 | 67 |
| 39 | $196 + 419 =$ _ | 618 | 615 | 616 | 617 |
| 40 | Prime Factors of 48 = _ | 2, 2, 2, 2, 3 | 9, 10, 11 | 3, 4, 5, 6 | 6, 8, 9 |
| 41 | $49 : 35 =$ _ | 14:13 | 9:7 | 7:5 | 10:13 |
| 42 | Triple of 524 = _ | 1576 | 1577 | 1572 | 1562 |
| 43 | $6.59 + 7.135 =$ _ | 13.715 | 13.735 | 13.725 | 22.725 |
| 44 | $351 + 57 - 4 =$ _ | 408 | 406 | 444 | 404 |
| 45 | Find the HCF of 87, 90 = _ | 8 | 3 | 5 | 10 |
| 46 | Double of 11 + Half of 56 = _ | 50 | 40 | 52 | 53 |
| 47 | $4080 / 5$ Quotient = _ | 822 | 716 | 817 | 816 |
| 48 | Find the LCM of 69 and 46 ? | 147 | 138 | 142 | 131 |
| 49 | $14 : 49 =$ _ | 8:15 | 3:14 | 11:11 | 2:7 |
| 50 | Double of 76 + Half of 38 = _ | 172 | 173 | 177 | 171 |



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|----|---|------------|---------|------------|---------|
| 51 | $762 + 27 - 6 = \underline{\quad}$ | 788 | 784 | 783 | 773 |
| 52 | Prime Factors of 135 = $\underline{\quad}$ | 10, 12, 14 | 7, 11 | 3, 3, 3, 5 | 4, 5, 7 |
| 53 | $\sqrt{1600} = \underline{\quad}$ | 46 | 42 | 40 | 30 |
| 54 | Half of 8066 = $\underline{\quad}$ | 4038 | 4039 | 4033 | 4031 |
| 55 | Cost price = 786, Selling Price = 235 Loss = $\underline{\quad}$ | 547 | 541 | 550 | 551 |
| 56 | Find the LCM of 97 and 27 ? | 2619 | 2612 | 2622 | 2615 |
| 57 | Double of 80 + Half of 154 = $\underline{\quad}$ | 241 | 245 | 237 | 244 |
| 58 | Find the HCF of 16, 87 = $\underline{\quad}$ | 1 | 4 | 3 | 2 |
| 59 | $56 : 104 = \underline{\quad}$ | 12:21 | 12:15 | 12:18 | 7:13 |
| 60 | $330 / 6$ Quotient = $\underline{\quad}$ | 60 | 45 | 56 | 55 |
| 61 | Remainder of $192 / 93 = \underline{\quad}$ | 4 | 13 | 6 | 7 |
| 62 | $48 \times 57 = \underline{\quad}$ | 2737 | 2736 | 2741 | 2738 |
| 63 | $3102 / 6$ Quotient = $\underline{\quad}$ | 526 | 519 | 517 | 507 |
| 64 | $58 - 28 - 18 = \underline{\quad}$ | 12 | 13 | 14 | 20 |
| 65 | $82 \times 41 = \underline{\quad}$ | 3352 | 3362 | 3363 | 3369 |
| 66 | $\sqrt{3136} = \underline{\quad}$ | 54 | 66 | 62 | 56 |
| 67 | $867 + 777 + 795 = \underline{\quad}$ | 2441 | 2349 | 2448 | 2439 |
| 68 | $85 - 53 - 10 = \underline{\quad}$ | 23 | 22 | 29 | 31 |
| 69 | Remainder of $475 / 39 = \underline{\quad}$ | 8 | 7 | 15 | 9 |
| 70 | $687 - 37 = \underline{\quad}$ | 640 | 650 | 656 | 651 |
| 71 | $84^2 = \underline{\quad}$ | 7060 | 7056 | 7053 | 7057 |
| 72 | Prime Factors of 706 = $\underline{\quad}$ | 8, 358 | 10, 360 | 2, 353 | 4, 355 |
| 73 | $773 \times 5 = \underline{\quad}$ | 3685 | 3865 | 3867 | 3871 |
| 74 | $238 / 17$ Quotient = $\underline{\quad}$ | 18 | 17 | 15 | 14 |
| 75 | 6% of 150 = $\underline{\quad}$ | 9 | 2 | 1 | 8 |



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|-----|---|------------------|------------------|------------------|------------------|
| 76 | $(11 + 63) \times (99 + 58) = _$ | 11618 | 11620 | 11622 | 11608 |
| 77 | Find the HCF of 42, 56 = $_$ | 14 | 20 | 18 | 12 |
| 78 | $295 + 64 = _$ | 368 | 360 | 349 | 359 |
| 79 | Half of 892 = $_$ | 442 | 444 | 446 | 450 |
| 80 | $35 \times _ = 105$ | 12 | 3 | 11 | 5 |
| 81 | Cube Root of 29791 = $_$ | 21 | 24 | 31 | 40 |
| 82 | $\sqrt{3844} = _$ | 60 | 68 | 59 | 62 |
| 83 | $817 - 52 = _$ | 765 | 755 | 773 | 766 |
| 84 | $146 - 87 + 5 = _$ | 71 | 73 | 65 | 64 |
| 85 | Multiple of 55 = $_$ | 170, 226, 390 | 165, 220, 385 | 168, 223, 387 | 173, 227, 394 |
| 86 | Multiple of 97 = $_$ | 194, 485, 873 | 202, 494, 882 | 199, 490, 879 | 196, 487, 876 |
| 87 | $84 \times _ = 420$ | 10 | 6 | 5 | 11 |
| 88 | $883 - 91 + 1 = _$ | 783 | 795 | 793 | 794 |
| 89 | 24, 38, 49 Mean = $_$ | 39 | 37 | 38 | 28 |
| 90 | $885 - 33 + 27 = _$ | 880 | 879 | 886 | 881 |
| 91 | 50% of 42 = $_$ | 13 | 23 | 21 | 24 |
| 92 | Prime Factors of 866 = $_$ | 2, 433 | 8, 438 | 3, 434 | 9, 441 |
| 93 | Double of 326 = $_$ | 661 | 650 | 659 | 652 |
| 94 | $2.21 + 2.433 = _$ | 4.633 | 4.643 | 9.643 | 13.643 |
| 95 | $31^2 = _$ | 958 | 952 | 961 | 959 |
| 96 | Cost price = 208, Selling Price = 68 Loss = $_$ | 139 | 148 | 140 | 142 |
| 97 | $152 - 83 + 50 = _$ | 122 | 120 | 119 | 126 |
| 98 | $292 + 917 + 975 = _$ | 2174 | 2186 | 2185 | 2184 |
| 99 | Half of 4840 = $_$ | 2412 | 2420 | 2419 | 2413 |
| 100 | $80 \times _ = 720$ | 15 | 12 | 10 | 9 |