

CHAPTER – IV

VEDIC MATHS

UNIT 1- MULTIPLICATION

2 DIGIT & SECONDARY BASES OF 50,100 MULTIPLICATIONS

1. Find the solution using 2 digit multiplication 93×86
a)8098 b)9098 **c)7998** d)9808
2. Find the solution using 2 digit multiplication 87×93
a)9801. **b)8091** c)9201 d)8291
3. Find the solution using 3 digit multiplication 47×44
a)2018 b)2048 **c)2068** d)2064
4. Find the solution using 2 digit multiplication 51×27
a)1477 b)1277 **c)1377** d)1777
5. Find the solution using 2 digit multiplication 62×43
a)2566 b)2466 c)2866 **d)2666**
6. Find the solution using 2 digit multiplication 11×24
a)265 b)296 c)198 **d)264**
7. Find the solution using 2 digit multiplication 27×19
a)423 b)396 **c)513** d)689
8. Find the solution using 2 digit multiplication 35×27
a)945 b)1095 c)885 d)995
9. Find the solution using 2 digit multiplication 93×97
a)9989 **b)9021** c)9786 d)9124
10. Find the solution using 2 digit multiplication 46×44
a)2026 **b)2024** c)2042 d)2084
11. Find the solution using 2 digit multiplication 43×34
a)1562 b)1262 **c)1462** d)1264
12. Find the solution using 2 digit multiplication 37×73
a)2901 b)2801 **c)2701** d)2781
13. Find the solution using 2 digit multiplication 82×71
a)5922 b)5022 **c)5822** d)1422
14. Find the solution using 2 digit multiplication 88×98
a)8624 b)8888 c)8989 d)8524

15. Find the solution using 2 digit multiplication 8.8×9.7

- a)85.36** b)87.88 c)93.89 d)76.94

16. Find the solution using 2 digit multiplication 85×8.9

- a)811.5 b)898.5 c)876.5 **d)756.5**

17. Find the solution using 2 digit multiplication 99×99

- a)9998 **b)9801** c)9898 d)9789

18. Find the solution using 2 digit multiplication 3.6×9.2

- a)33.12** b)34.67 c)36.98 d)32.13

UNIT 1- MULTIPLICATION
3-DIGIT MULTIPLICATION (inc)l. 3-DIGIT X 2-DIGIT

1. Find the solution using 3 digit multiplication 976×653
a)637328 b)647358 c)876458 d)983458
2. Find the solution using 3 digit multiplication 107×93
a)8971 **b)9951** c)9451 d)7581
3. Find the solution using 3 digit multiplication 109×96
a)10264 **b)10464** c)10864 d)10364
4. Find the solution using 3 digit multiplication 89×109
a)9081 b)9281 **c)9701** d)9401
5. Find the solution using 3 digit multiplication 132×456
a)60192 b)65908 c)67483 d)66980
6. Find the solution using 3 digit multiplication 494×496
a)253490 **b)245024** c)267854 d)298763
7. Find the solution using 3 digit multiplication 107×111
a)12376 b)23457 c)27890 **d)11877**
8. Find the solution using 3 digit multiplication 208×206
a)42848 b)46578 c)76886 d)65543
9. Find the solution using 3 digit multiplication 432×371
a)123890 **b)160272** c)235176 d)211190
10. Find the solution using 3 digit multiplication 391×561
a)234789 b)156278 c)345261 **d)219351**
11. Find the solution using 3 digit multiplication 290×589
a)343528 b)189023 c)234527 **d)170810**
12. Find the solution using 3 digit multiplication 458×651
a)523423 **b)298158** c)532342 d)456281
13. Find the solution using 3 digit multiplication 999×999
a)998001 b)999999 c)989898 d)987987
14. Find the solution using 3 digit multiplication 888×888
a)765209 b)854321 c)878787 **d)788544**
15. Find the solution using 3 digit multiplication 898×989
a)898989 b)888999 **c)888122** d)878689

UNIT 1- MULTIPLICATION –4-DIGIT MULTIPLICATION

1. Find the solution using 4 digit multiplication 3125×7218
 a)23145221 b)22234563 **c)22556250** d)22665782
2. Find the solution using 4 digit multiplication 2115×3004
 a)8763452 **b)6353460** c)5362789 d)647282
3. Find the solution using 4 digit multiplication 2222×3333
a)7405926 b)6547892 c)6554321 d)7654123
4. Find the solution using 4 digit multiplication 1005×4128
 a)4259801 b)4109812 c)4378901 **d)4148640**
5. Find the solution using 4 digit multiplication 3780×1992
a)7529760 b)7899871 c)6782341 d)7899561
6. Find the solution using 4 digit multiplication 7651×8234
 a)78423021 b)68943023 **c)62998334** d)79034561
7. Find the solution using 4 digit multiplication 1001×2222
 a)2228222 b)2220022 c)2221222 **d)2224222**
8. Find the solution using 4 digit multiplication 2525×1231
 a)6758811 b)3546272 c)4561289 **d)3108275**
9. Find the solution using 4 digit multiplication 4444×1212
a)5386128 b)894672 c)4563329 d)5758775
10. Find the solution using 4 digit multiplication 10.23×14.56
a)148.9488 b)14.89488 c)1.489488 d)1489.488
11. Find the solution using 4 digit multiplication 13.45×17.98
 a)243.876 **b)241.831** c)234.098 d)241.768
12. Find the solution using 4 digit multiplication 33.78×29.87
 a)7821.9012 b)1289.1004 c)1230.9872 **d)1009.0086**
13. Find the solution using 4 digit multiplication 9999×9999
a)99980001 b)99898989 c)99998888 d)99889988
14. Find the solution using 4 digit multiplication 8888×7777
 a)76539208 b)67345627 **c)69121976** d)99723123
15. Find the solution using 4 digit multiplication 78.98×98.79
 a)7653.9023 **b)7802.4342** c)7651.9087 d)7890.5643
16. Find the solution using 4 digit multiplication 1111×1212
a)1346532 b)8965243 c)452768 d)176828
17. Find the solution using 4 digit multiplication 1234×4321
 a)355635 b)5463432 c)5463784 **d)5332114**

UNIT 2 - ADDITION & SUBTRACTION
2-DIGIT ADDITION & SUBTRACTION

1. Find the solution using 2 digit addition $24+98$
a)**122** b)134 c)124 d)104
2. Find the solution using 2 digit addition $38+99$
a)139 **b)137** c)136 d)146
3. Find the solution using 2 digit addition $25+89+15$
a)148 b)167 c)145 **d)129**
4. Find the solution using 2 digit addition $65+35+23$
a)125 **b)123** c)133 d)113
5. Find the solution using 2 digit subtraction $89-43$
a)23 b)45 c)21 **d)46**
6. Find the solution using 2 digit subtraction $78-67$
a)6 b)8 c)9 **d)11**
7. Find the solution using 2 digit subtraction $98-32-6$
a)70 **b)60** c)50 d)40
8. Find the solution using 2 digit subtraction $12-45+32$
a)-1 b)1 c)2 d)-2
9. Find the solution using 2 digit subtraction $78-43+20-13$
a)43 b)-42 c)34 **d)42**
10. Find the solution using 2 digit subtraction $1-56+76-23$
a)-1 b)1 c)2 **d)-2**
11. Find the solution using 2 digit subtraction $43+21+89-99$
a)44 b)-54 c)-44 **d)54**
12. Find the solution using 2 digit subtraction $-36-67+23-56$
a)-126 b)-146 **c)-136** d)0
13. Find the solution using 2 digit subtraction $86+24-62-99$
a)41 **b)-51** c)-41 d)51
14. Find the solution using 2 digit subtraction $-54+98-23-11$
a)-10 b)-20 c)10 **d)10**
15. Find the solution using 2 digit subtraction $23+98+99+1$
a)241 **b)221** c)231 d)251
16. Find the solution using 2 digit subtraction $99-99+99+99+99$
a)0 b)-297 **c)297** d)397
17. Find the solution using 2 digit subtraction $11+99-56+76$
a)140 b)120 c)-120 **d)130**

UNIT 2 - ADDITION & SUBTRACTION
SUBTRACTION FROM 100,1000,10000,...

1. Find the solution of subtraction from 100-73
a)27 b)37 c)17 d)23
2. Find the solution of subtraction from 100-63
a)47 **b)37** c)33 d)43
3. Find the solution of subtraction from 100-42
a)58 b)52 c)48 d)68
4. Find the solution of subtraction from 100-120
a)-20 b)20 c)-40 d)-10
5. Find the solution of subtraction from 100-198
a)98 b)88 **c)-98** d)76
6. Find the solution of subtraction from 1000-768
a)132 **b)232** c)322 d)222
7. Find the solution of subtraction from 1000-677
a)323 b)423 c)232 d)None of the above
8. Find the solution of subtraction from 1000-234
a)866 b)458 c)-234 **d)None of the above**
9. Find the solution of subtraction from 1000-123
a)866 b)267 **c)877** d)898
10. Find the solution of subtraction from 1000-459
a)451 b)651 c)551 **d)541**
11. Find the solution of subtraction from 10000-1234
a)8876 **b)8766** c)7657 d)None of the above
12. Find the solution of subtraction from 10000-6793
a)3207 b)3567 c)3107 d)None of the above
13. Find the solution of subtraction from 10000-9832
a)158 b)148 **c)168** d)None of the above
14. Find the solution of subtraction from 10000-1111
a)8889 b)8898 c)8989 d)None of the above
15. Find the solution of subtraction from 10000-329
a)9571 b)9771 c)9871 **d)None of the above**
16. Find the solution of subtraction from 100000-3989
a)98651 b)95678 **c)96011** d)98762
17. Find the solution of subtraction from 1000000-289412
a)710928 b)765981 c)734528 **d)710588**

**UNIT 2 - ADDITION & SUBTRACTION –
3, 4-DIGIT ADDITION & SUBTRACTION**

1. Find the solution using 3 digit addition $46+234$
a)880 b)756 **c)280** d)650
2. Find the solution using 3 digit addition $875+561$
a)1376 b)1576 **c)1436** d)1257
3. Find the solution using 3 digit addition $521+988$
a)1509 b)1239 c)1679 d)1559
4. Find the solution using 3 digit addition $678+923$
a)1566 **b)1601** c)1236 d)1456
5. Find the solution using 2 digit addition $298-123$
a)180 b)125 c)177 **d)175**
6. Find the solution using 2 digit addition $563-412$
a)151 b)158 c)148 d)138
7. Find the solution using 2 digit addition $621-410$
a)311 b)110 **c)211** d)210
8. $999-191$
a)808 b)881 c)800 d)818
9. $999+645+234$
a)1900 b)1874 c)1859 **d)1878**
10. $789+234+768$
a)1791 b)1800 c)1765 d)1711
11. $4356-987$
a)3456 b)3674 c)3289 **d)3369**
12. $9237+6453$
a)16890 **b)15690** c)15720 d)16540
13. $4356-9876+2345$
a)-2765 b)-3155 c)-2175 **d)-3175**
14. $2789-124+1098-1111$
a)2652 b)2564 c)2352 d)2562
15. $9999-1232$
a)8676 **b)8767** c)8238 d)8666
16. $7777-2345$
a)5443 b)8943 c)6754 **d)5432**

UNIT 3 - SQUARES AND CUBE ROOTS - SQUARES AND SQUARE ROOTS

1. Find the square of 12
a)144 b)124 c)114 d)116
2. Find the square of 19
a)561 **b)361** c)461 d)381
3. Find the square of 28
a)768 b)567 c)728 **d)784**
4. Find the square of 36
a)1346 b)1476 **c)1296** d)1678
5. Find the square of 125
a)16615 b)18765 **c)15625** d)16555
6. Find the square of 168
a)23570 b)24356 c)27897 **d)28224**
7. Find the square of 199
a)39601 b)38765 c)37895 d)39546
8. Find the square of 250
a)76500 **b)62500** c)65400 d)65420
9. Find the square of 231
a)54678 **b)53361** c)53422 d)58923
10. Find the square of 324
a)109871 b)109873 c)109872 **d)104976**
11. Find the square of 111
a)12989 b)13987 **c)12321** d)12675
12. Find the square of 123
a)15129 b)15789 c)16784 d)15892
13. Find the square root of $\sqrt{484}$
a)23 **b)22** c)34 d)24
14. Find the square root of $\sqrt{1936}$
a)45 b)46 c)43 **d)44**
15. Find the square root of $\sqrt{2025}$
a)45 b)30 c)20 d)15
16. Find the square root of $\sqrt{3481}$
a)60 b)57 c)58 **d)59**

17. Find the square root of $\sqrt{2809}$

- a) 54 b) 56 **c) 53** d) 61

18. Find the square root of $\sqrt{2209}$

- a) 56 **b) 47** c) 44 d) 46

19. Find the square root of $\sqrt{18225}$

- a) 140 b) 142 c) 136 **d) 135**

20. Find the square root of $\sqrt{21609}$

- a) 147** b) 150 c) 156 d) 149

21. Find the square root of $\sqrt{23716}$

- a) 158 b) 160 **c) 154** d) 152

22. Find the square root of $\sqrt{101124}$

- a) 340 **b) 318** c) 321 d) 331

23. Find the square root of $\sqrt{162409}$

- a) 450 b) 321 c) 410 **d) 403**

24. Find the square root of $\sqrt{220900}$

- a) 470** b) 467 c) 466 d) 469

25. Find the square root of $\sqrt{328329}$

- a) 572 **b) 573** c) 567 d) 566

UNIT 3 SQUARES AND CUBE ROOTS- CUBES AND CUBE ROOTS

1. Find the cube of 12
a)1765 **b)1728** c)1657 d)1647
2. Find the cube of 15
a)2345 b)3455 **c)3375** d)2945
3. Find the cube of 18
a)6542 b)5432 c)5672 **d)5832**
4. Find the cube of 22
a)10648 b)11238 c)12368 d)10987
5. Find the cube of 16
a)5098 b)6788 c)5678 **d)4096**
6. Find the cube of 30
a)27000 b) 26000 c)26500 d)27225
7. Find the cube of 45
a)98755 b)98745 **c)91125** d)92355
8. Find the cube of 50
a)130000 **b)125000** c)123455 d)126755
9. Find the cube of 54
a)123462 b)177852 c)165784 **d)157464**
10. Find the cube of 39
a)59319 b)60919 c)53419 d)44567
11. Find the cube of 60
a)216000 b)234500 c)238900 d)225465
12. Find the cube of 63
a)234873 **b)250047** c)237564 d)298564
13. Find the cube of 65
a)123985 **b)274625** c)238745 d)546355
14. Find the cube root of $3\sqrt{4931}$
a)18 b)19 c)20 **d)17**
15. Find the cube root of $3\sqrt{17576}$
a)28 **b)26** c)24 d)22
16. Find the cube root of $3\sqrt{24389}$
a)31 b)33 c)37 **d)29**

17. Find the cube root of $\sqrt[3]{343000}$
a)65 b)75 c)80 **d)70**
18. Find the cube root of $\sqrt[3]{456533}$
a)79 b)73 **c)77** d)71
19. Find the cube root of $\sqrt[3]{531441}$
a)81 b)83 c)87 d)89
20. Find the cube root of $\sqrt[3]{1860867}$
a)123 b)127 c)121 d)119
21. Find the cube root of $\sqrt[3]{4410944}$
a)156 b)162 **c)164** d)166
22. Find the cube root of $\sqrt[3]{8000000}$
a)210 b)190 c)150 **d)200**
23. Find the cube root of $\sqrt[3]{11390625}$
a)220 b)210 **c)225** d)230
24. Find the cube root of $\sqrt[3]{27818127}$
a)299 **b)303** c)307 d)309
25. Find the cube root of $\sqrt[3]{214921799}$
a)599 b)601 c)597 d)699

ANSWER KEY

**UNIT 1 – MULTIPLICATION - 2 DIGIT & SECONDARY BASES OF 50,100
MULTIPLICATION**

1(c)	2(b)	3(c)	4(c)	5(d)	6(d)
7(c)	8(a)	9(b)	10(b)	11(c)	12(c)
13(c)	14(a)	15(a)	16(d)	17(b)	18(a)

3-DIGIT MULTIPLICATION (incl. 3-DIGIT X 2-DIGIT)

1(a)	2(b)	3(b)	4(c))	5(a)
6(b)	7(d)	8(a)	9(b)	10(d)
11(d)	12(b)	13(a)	14(d)	15(c)

4-DIGIT MULTIPLICATION

1(c)	2(b)	3(a)	4(d)	5(a)	6(c)
7(d)	8(d)	9(a)	10(a)	11(b)	12(d)
13(a)	14(c)	15(b)	16(a)	17(d)	

UNIT 2 - ADDITION & SUBTRACTION -2 DIGIT ADDITION & SUBTRACTION

1(a)	2(b)	3(d)	4(b)	5(d)	6(d)
7(b)	8(a)	9(d)	10(d)	11(d)	12(c)
13(b)	14(d)	15(b)	16(c)	17(d)	

SUBTRACTION FROM 100,1000,10000,...

1(a)	2(b)	3(a)	4(a)	5(c)	6(b)
7(a)	8(d)	9(c)	10(d)	11(b)	12(a)
13(c)	14(a)	15(d)	16(c)	17(d)	

3-4 DIGIT - ADDITION & SUBTRACTION

1(c)	2(c)	3(a)	4(b)	5(d)	6(a)
7(c)	8(a)	9(d)	10(a)	11(d)	12(b)
13(d)	14(a)	15(b)	16(d)		

UNIT3- SQUAREAND CUBE ROOTS- SQUARES AND SQUAREROOTS

1(a)	2(b)	3(d)	4(c)	5(c)
6(d)	7(a)	8(b)	9(b)	10(d)
11(c)	12(a)	13(b)	14(d)	15(a)
16(d)	17(c)	18(b)	19(d)	20(a)
21(c)	22(b)	23(d)	24(a)	25(b)

CUBE AND CUBE ROOTS

1(b)	2(c)	3(d)	4(a)	5(d)
6(a)	7(c)	8(b)	9(d)	10(a)
11(a)	12(b)	13(b)	14(d)	15(b)
16(d)	17(d)	18(c)	19(a)	20(a)
21(c)	22(d)	23(c)	24(b)	25(a)