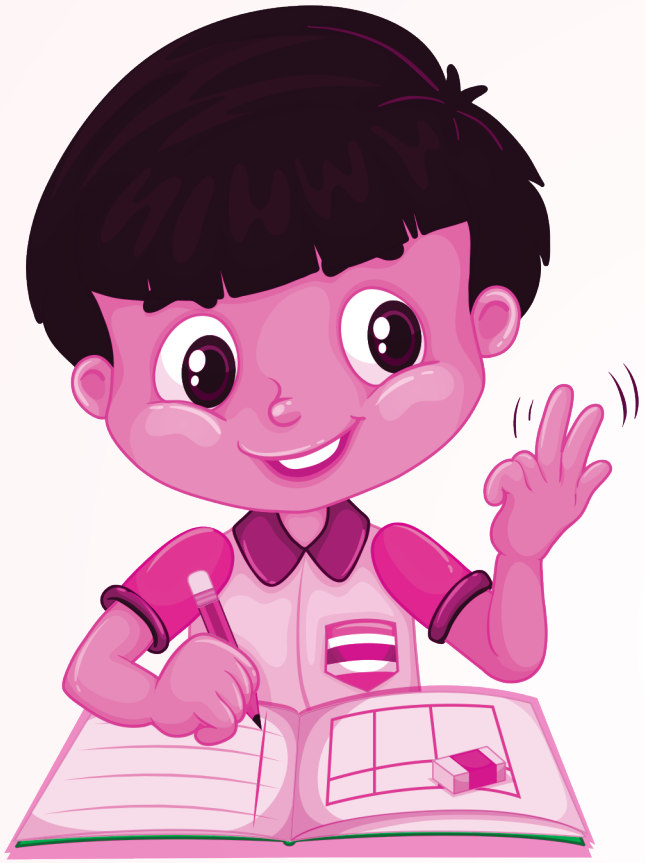
VEDIC MATHEMATICS

PRACTICE SET

LEVEL 3

MATH-SCIENCE DEARS



VEDIC MATHS

Level - 3

Student's Name .....

Father's Name .....

Address .....

Contact No. .....

Syllabus

AMAZING MULTIPLICATION -1

71 X 21	82 X 22	73 X 23	67 X 25	67 X 25
81 X 21	63 X 22	83 X 23	64 X 34	86 X 55
171 X 31	711 X 22	814 X 33	915 X 64	919 X 35

AMAZING MULTIPLICATION -2

231 X 32	654 X 24	864 X 53	715 X 94	749 X 65
414 X 45	686 X 66	654 X 93	567 X 72	669 X 15
453 X 22	444 X 24	193 X 53	215 X 94	909 X 86

AMAZING MULTIPLICATION -2

345 X 453	566 X 755	123 X 112	321 X 735	242 X 563
873 X 523	896 X 725	453 X 126	342 X 765	912 X 745
198 X 645	945 X 322	543 X 675	981 X 398	298 X 497

AMAZING MULTIPLICATION -3

2731 X 32	8654 X 24	9784 X 53	5643 X 94	7949 X 65
2543 X 63	5764 X 74	3384 X 89	8239 X 68	7893 X 56
3454 X 76	7862 X 55	7123 X 12	9112 X 35	3242 X 15

AMAZING MULTIPLICATION -HIGHER DIGITS

3435 X 522	8655 X 912	8334 X 876	5656 X 999	1474 X 908
4434 X 786	5871 X 542	4606 X 489	6011 X 976	4123 X 576
7095 X 766	7656 X 654	2211 X 988	1133 X 652	4688 X 987

AMAZING MULTIPLICATION -HIGHER DIGITS

8145 X 1247	4567 X 6723	7867 X 5342	9878 X 6549	7653 X 7865
1299 X 5549	5472 X 2314	5757 X 4565	8788 X 4211	8987 X 6674
2329 X 8892	9034 X 5632	5472 X 7432	6573 X 9874	9986 X 7633

DECIMAL MULTIPLICATION

3.1 X 2.1	8.9 X 7.9	5.4 X 5.6	6.8 X 2.9	7.9 X 1.4
7.1 X 6.8	8.2 X 2.2	7.3 X 2.3	5.4 X 2.4	6.7 X 2.5
4.5 X 2.5	6.9 X 5.8	6.1 X 7.5	3.9 X 5.3	4.7 X 8.8

DECIMAL MULTIPLICATION

0.67 X 0.63	0.72 X 1.63	4.89 X 3.16	2.22 X 0.53	0.47 X 0.49
4.24 X 1.21	7.21 X 5.66	5.11 X 3.00	1.06 X 1.76	4.88 X 3.11
6.24 X 1.44	6.13 X 1.44	6.76 X 8.89	4.76 X 8.86	7.23 X 2.33
1.03 X 2.30	6.41 X 5.67	5.90 X 7.96	3.97 X 5.37	1.43 X 8.66

DECIMAL MULTIPLICATION

15.60 X 22.80	10.31 X 16.64	54.90 X 76.96	38.97 X 56.37	11.43 X 81.66
11.03 X 23.30	16.41 X 51.67	15.90 X 17.96	31.97 X 51.35	14.43 X 18.66
22.89 X 25.31	66.41 X 44.67	45.90 X 76.96	58.89 X 11.89	23.58 X 58.66

AMAZING DIVISION

1866 ÷ 21	3213 ÷ 22	1625 ÷ 23	1412 ÷ 24	2268 ÷ 31
2493 ÷ 31	1947 ÷ 34	3426 ÷ 28	6433 ÷ 26	5453 ÷ 52
1245 ÷ 43	2446 ÷ 51	3366 ÷ 33	2547 ÷ 53	3127 ÷ 83
3693 ÷ 54	8934 ÷ 45	6345 ÷ 12	3896 ÷ 19	

AMAZING DIVISION

3286 ÷ 54	2876 ÷ 61	2170 ÷ 62	2409 ÷ 73	3948 ÷ 84
1324 ÷ 25	1575 ÷ 25	2520 ÷ 35	2240 ÷ 22	2610 ÷ 45
3143 ÷ 85	5415 ÷ 95	1697 ÷ 15	5643 ÷ 95	2435 ÷ 75
3473 ÷ 65	3649 ÷ 23	8965 ÷ 46	3754 ÷ 89	3286 ÷ 75

AMAZING DIVISION

71924 ÷ 21	64282 ÷ 13	67829 ÷ 31	63821 ÷ 41	89212 ÷ 18
22345 ÷ 24	18765 ÷ 34	19753 ÷ 33	16543 ÷ 45	91243 ÷ 24
25529 ÷ 54	25576 ÷ 32	32141 ÷ 51	18761 ÷ 67	13226 ÷ 34
42244 ÷ 88	84832 ÷ 16	15863 ÷ 87	14042 ÷ 36	27143 ÷ 46

AMAZING DIVISION

13224 ÷ 29	11271 ÷ 39	15711 ÷ 33	27685 ÷ 49	14505 ÷ 28
19456 ÷ 38	15708 ÷ 28	16224 ÷ 48	27787 ÷ 37	32336 ÷ 47
29946 ÷ 46	31483 ÷ 37	32040 ÷ 36	44298 ÷ 46	31068 ÷ 76
46334 ÷ 16	13786 ÷ 26	51369 ÷ 26	95942 ÷ 37	26239 ÷ 42

AMAZING DIVISION

55088 ÷ 68	53823 ÷ 78	60732 ÷ 88	46743 ÷ 57	39532 ÷ 67
44002 ÷ 77	77432 ÷ 87	10463 ÷ 56	27545 ÷ 66	15552 ÷ 19
24309 ÷ 86	28713 ÷ 29	24756 ÷ 66	39923 ÷ 99	83929 ÷ 47
37173 ÷ 59	33124 ÷ 61	52395 ÷ 79	49843 ÷ 89	46521 ÷ 58

AMAZING DIVISION

43723 ÷ 76	46912 ÷ 45	60732 ÷ 66	62954 ÷ 82	91292 ÷ 81
66977 ÷ 69	99474 ÷ 84	98324 ÷ 79	98734 ÷ 67	14237 ÷ 19
25813 ÷ 29	24573 ÷ 39	11121 ÷ 19	24658 ÷ 29	31927 ÷ 39
22324 ÷ 47	83742 ÷ 27	25356 ÷ 37	40812 ÷ 77	55684 ÷ 87

AMAZING DIVISION

52372 ÷ 27	15159 ÷ 31	19437 ÷ 29	73283 ÷ 12	13245 ÷ 61
48222 ÷ 34	83452 ÷ 72	83212 ÷ 41	97388 ÷ 91	74338 ÷ 53
79222 ÷ 35	76493 ÷ 63	79823 ÷ 54	92312 ÷ 44	74923 ÷ 96
64645 ÷ 19	25172 ÷ 28	78594 ÷ 23	27546 ÷ 98	54326 ÷ 53

AMAZING DIVISION

42133 ÷ 66	98757 ÷ 78	78923 ÷ 74	78625 ÷ 95	78262 ÷ 23
22548 ÷ 41	54642 ÷ 27	85264 ÷ 45	75318 ÷ 87	41257 ÷ 64
42973 ÷ 71	74265 ÷ 44	45826 ÷ 36	73915 ÷ 45	73185 ÷ 72
36265 ÷ 49	31856 ÷ 49	23387 ÷ 19	17013 ÷ 67	71234 ÷ 18

DECIMAL DIVISION

20.8 ÷ 5.2	31.95 ÷ 4.5	26.46 ÷ 6.3	71.23 ÷ 3.3	23.31 ÷ 9.2
13.92 ÷ 2.4	75.84 ÷ 5.7	43.61 ÷ 6.1	15.55 ÷ 5.5	16.22 ÷ 6.1
42.12 ÷ 4.3	88.21 ÷ 3.7	12.34 ÷ 2.1	73.21 ÷ 2.3	89.11 ÷ 5.2
875.28 ÷ 6.1	111.61 ÷ 5.3	856.12 ÷ 7.2	412.42 ÷ 3.1	214.42 ÷ 3.3

SQURE 1-10000

$(1)^2 = 01$

$(2)^2 = 04$

$(3)^2 = 09$

$(4)^2 = 16$

$(5)^2 = 25$

$(6)^2 = 36$

$(7)^2 = 49$

$(8)^2 = 64$

$(9)^2 = 81$

$(10)^2 = 100$

SQURE 1-10000

SQURE 1-10000

SQURE ROOT

$\sqrt{676}$	$\sqrt{225}$	$\sqrt{484}$	$\sqrt{576}$	$\sqrt{729}$
$\sqrt{961}$	$\sqrt{625}$	$\sqrt{784}$	$\sqrt{198}$	$\sqrt{144}$
$\sqrt{324}$	$\sqrt{361}$	$\sqrt{729}$	$\sqrt{841}$	$\sqrt{529}$
$\sqrt{784}$	$\sqrt{121}$	$\sqrt{169}$	$\sqrt{256}$	$\sqrt{289}$
$\sqrt{1089}$	$\sqrt{1024}$	$\sqrt{1936}$	$\sqrt{2025}$	$\sqrt{2401}$

SQURE ROOT

$\sqrt{1156}$	$\sqrt{1225}$	$\sqrt{1296}$	$\sqrt{2809}$	$\sqrt{1369}$
$\sqrt{6084}$	$\sqrt{1444}$	$\sqrt{1521}$	$\sqrt{6561}$	$\sqrt{1681}$
$\sqrt{1764}$	$\sqrt{1936}$	$\sqrt{8649}$	$\sqrt{9409}$	$\sqrt{2116}$
$\sqrt{15129}$	$\sqrt{12769}$	$\sqrt{10201}$	$\sqrt{10609}$	$\sqrt{11236}$
$\sqrt{42436}$	$\sqrt{16129}$	$\sqrt{13689}$	$\sqrt{24025}$	$\sqrt{42436}$

ALGEBRIC POLYNOMIALS

$a + b$ $a + b$	$4x + 3$ $5x + 4$	$a + b$ $a + b$	$6x - 3$ $4x - 5$	$a + b$ $a + b$
$-6x - 4$ $4x - 5$	$x - q$ $x - b$	$-7x - 5$ $-3x + 3$	$-x - q$ $x - b$	$-qx + b$ $-5x + 5$
$4x + 3$ $5x + 4$	$3x + 4y$ $4x + 7y$	$5x + 144$ $8x + 104$	$4q - 9b$ $10q - 6b$	$5x + 144$ $8x + qy$

ALGEBRIC POLYNOMIALS

5a - 10b 11a + 5b	24x - 144 -7x + 111	7a - 5b 6a - 8b	6a - 8b -7a - 9b	7x - 3y 6x - 8y
7x - 5y 7x - 8y	4a + 23b 2a - 8b	5x^2 - 4x 7x^2 - 5x	4a + 2b 6a + 8b	5x - 3y 5x + 6y
ax - 2 5x + 2	ax + 3 2x + 5	8x + 4 6x + 3	2a - 3b 3a - 2b	5x + 24 8x - 64
2x - 7 2x + 11	11x + 13y 7x + ay	4x + 16 4x - 13	6x - 2y 5x - 7y	3x + 6 7x - 4

ALGEBRIC POLYNOMIALS

$2x^2 - 10x - 6$

$4x^2 + 4x + 7$

$-8x^2 + 9x - 5$

$-7x^2 + 4x + 2$

$5x^2 - 4x - 7$

$7x^2 + 6x + 9$

$6q^2 - 7q - 6$

$4q^2 + 4q + 7$

$9x^2 - 5x + 6$

$6x^2 + 3x - 4$

$9x^2 + 4x - 5x$

$5x^2 - 6x - 7x$

$9x^2 - 4x + 3$

$-7x^2 + 4x - 4$

$4x^2 - 8x + 2$

$4x^2 + qx^2 - 2$

BINOMIAL DIVISION

$(10x^2 + 3x + 6) \div (x - 1)$

$(6x^2 - 3x - 5) \div (x - 1)$

$(6x^2 + 7x + 9) \div (x + 1)$

$(5x^2 - 6x + 1) \div (x + 1)$

$(9x^2 + 5x + 7) \div (x + 1)$

$(16x^2 + 5x + 8) \div (x - 1)$

BINOMIAL DIVISION

$(7x^2 + 4x - 7) \div (x - 1)$

$(5x^3 + 6x^2 - 9x + 8) \div (x + 2)$

$(5x^3 + 3x^2 - 6x - 7) \div (x + 1)$

$(14x^2 - 2x - 18) \div (x - 3)$

$(3x^3 - 2x^2 - 5x + 3) \div (x + 1)$

$(7x^3 + 5x^2 - 6x - 9) \div (x + 2)$

$(6x^3 - 5x - 6x - 9) \div (x + 1)$

$(2x^3 + 7x^2 + 6x - 4) \div (x - 3)$

POLYNOMIAL DIVISION

$(8x^4 + 6x^3 + 2x^2 + 10x + 2) \div (x^2 - 2x + 7)$

$(x^4 + 6x^3 + 2x^2 + 6x - 5) \div (x^2 - x + 6)$

$(6x^4 + 8x^3 + 6x^2 + 5x + 3) \div (x^2 + x + 1)$

$(3x^4 + 2x^3 - x^2 + 15x - 3) \div (x^2 - 2x + 3)$

$(3x^4 + 2x^3 - 6x^2 + 4x + 6) \div (x^2 + x - 1)$

$(4x^4 - 5x^3 + 9x^2 + 7x - 4) \div (x^2 - 3x + 1)$

VBODMAS SIMPLIFICATIONS

The word vbodomas represents the order of calculations order of SIGNS

V = Vinculum Means bar bracket As ($\bar{v}$)

B = BRACKET ( ) [ ] Open Small And big Bracket

O = Order or Power

D = Division (÷)

M = Multiplication (X)

A = Addition (+)

S = Subtraction (-)

VBODMAS SIMPLIFICATIONS

17 X 26 + 13 =	2 X 8 X 8 - 8 =	9636 - [6339 X 3243 (6-2)]=	416 X 5 ÷ (32-4)=
9 - 8 + 8 X 5 - 9 =	2 + 7 X 6 ÷ 2 =	3695 + 63 X 89 ÷ 17 =	896 + 324 ÷ (8 - 3) =
8 - 8 +7 X 26 =	72 + [23 - (4 + 11 - 4)] =	463 X 23 + 693 (2) =	5693 + 6953 + 896 - 3241 =
4 X 7 X 4 - 5 ÷ 5 =	36 X 922 [999 X 321] =	8934 - 6932 + 4659 =	4569 - 4532 X 69

VBODMAS SIMPLIFICATIONS

5 X (7-3) =

24 + (8-5) =

36 ÷ (6-3) =

9 X 2 (6-3) =

60 ÷ (16-9) X2=

95 - 3 X (16 -9) =

65 + (78 - 9) =

96 X 2 (50-16) =

106 - [7X(57X2)] =

1024 + [4 X 15 (3 - 1)] =

1965 X 2 [3 X (95 X 43)] =

VBODMAS SIMPLIFICATIONS

(1) (9-4) of 10=

(2) 32 + (9x6) of 4=

(3) 5x9÷ 3 of 4=

(4) 36x32 ÷ 5 of 6 =

(5) 318 of 23 - 1465=

(6) 5673-45630 of 9=

(1) 322 X 26 + 69 ÷ 8=

(2) 728 X 29 - 32 ÷ 9=

(3) 510 X 2 - 10 ÷ 2=

(4) 5965- 1965÷ 7 of 5=

(5) 59 of 28 - 1020=

(6) [255 x 2000] x 51=

VBODMAS SIMPLIFICATIONS

(44 - 12) ÷ 10 =

9 + 12 + 27 X 9 =

40 + (23 - 15) =

63 - 3 X 69 =

5 + 15 - 3 X 296 =

30 - 7 + 15 X9 =

42 + 22 + 30 - 26 =

27 X 96 +4 - 36 =

19 - 7 (46 +6) =

6 + 8 + 14 - 20 =

4 X (56 - 23) +11 =

33 + [25 - (68X32)] =

2 X42 X 7 =

(27 - 22) X 9 - 29 =

(9 + 4) X 18 - 7 =

965 - [(383 69) X 3]

VBODMAS SIMPLIFICATIONS

5 X (7-3) 3 =	24 ÷ (8 - 5) = 3	36 ÷ [(6 - 3) 3] =	9 X 2 (6 - 3) 3 =
60 ÷ (16-9) X 2 =	95 - 3 (16-9) =	65 + [(78 - 8) ÷ 7] =	96 X 2 (50-6) =
106 - [7X(57X2)] =	1024 + [15 (9 X6)] =	[255 X 200] X 51 =	75 + 96 (17 - 7) =
17 X 26 ÷ 13 =	78 ÷ (11 - 8) =	59 + 36 ÷ 19 =	23 - (29 - 9) X 3 =

VBODMAS SIMPLIFICATIONS

(9 - 4) of 10 =

32 + (9 X 6) of 4 =

5 X 9 ÷ 3 of 4 =

36 32 ÷ 4 of 6 =

318 of 23 - 1465 =

5673 - 4563 of 9 =

239 + 369 + 384 =

5693 X 2 - 6963-2232 =

9234 X 9 - 9636 - 2212 =

3245 ÷ 5 + 6389 - 26980 =

8569 - 3283 ÷ 25 =

10359 - 3256 ÷ 125 =

8693 X 6 - 2396 ÷ 25 =

CUBE

(1 - 100) Practice

Number of Starting From One

$1^3 = 01$

$2^3 = 08$

$3^3 = 27$

$4^3 = 165$

$5^3 = 125$

$6^3 = 216$

$7^3 = 343$

$8^3 = 512$

$9^3 = 729$

$10^3 = 1000$

$(11)^3$

$(12)^3$

$(13)^3$

$(14)^3$

$(15)^3$

$(16)^3$

$(17)^3$

$(18)^3$

$(19)^3$

CUBE

(1 - 100) Practice

When Unit Place Value is One

$(21)^3$

$(31)^3$

$(41)^3$

$(51)^3$

$(61)^3$

$(71)^3$

$(81)^3$

$(91)^3$

DUPLEX NUMBER AND OTHER NUMBER

$(22)^3$

$(33)^3$

$(44)^3$

$(55)^3$

$(66)^3$

$(77)^3$

$(88)^3$

$(99)^3$

56 75 25 96

Other Number

CUBE ROOT

$\sqrt[3]{1331}$	$\sqrt[3]{3375}$	$\sqrt[3]{6859}$	$\sqrt[3]{68921}$	$\sqrt[3]{29791}$
$\sqrt[3]{97336}$	$\sqrt[3]{24389}$	$\sqrt[3]{32768}$	$\sqrt[3]{32768}$	$\sqrt[3]{17576}$
$\sqrt[3]{13824}$	$\sqrt[3]{166375}$	$\sqrt[3]{531441}$	$\sqrt[3]{328509}$	$\sqrt[3]{884736}$
$\sqrt[3]{238328}$	$\sqrt[3]{2197}$	$\sqrt[3]{4193}$	$\sqrt[3]{12167}$	$\sqrt[3]{85184}$

CUBE ROOT

$\sqrt[3]{2744}$	$\sqrt[3]{5832}$	$\sqrt[3]{140608}$	$\sqrt[3]{175616}$	$\sqrt[3]{226981}$
$\sqrt[3]{421875}$	$\sqrt[3]{592704}$	$\sqrt[3]{753571}$	$\sqrt[3]{830584}$	$\sqrt[3]{8573756}$
$\sqrt[3]{274625}$	$\sqrt[3]{21952}$	$\sqrt[3]{250047}$	$\sqrt[3]{373248}$	$\sqrt[3]{729000}$
$\sqrt[3]{125000}$	$\sqrt[3]{27000}$	$\sqrt[3]{216000}$	$\sqrt[3]{64000}$	$\sqrt[3]{1000}$

NOTES

THANK YOU

MATH-SCIENCE DEARS

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