Divisibility Rule (Test) Table (For Given Number) [Deals with its digits]

(Dividends)

Divisor	Rule	Example 1	Example 2
1	[All numbers] ÷ 1	50	1
2	[Last digit is even (i.e) 0, 2, 4, 6, 8] ÷ 2	1658	273
3	[Sum of all digits is 3, 6, 9] ÷ 3	342	695421
4	[Last 2 digits is 00, multiples of 4] ÷ 4	687976	7100
5	[Last digit is 0, 5] ÷ 5	505	7689C
6	÷ (2, 3) Co-Primes	126	720
8	[Last 3 digits is 000, multiples of 8] ÷ 8	16789352	2000
9	[Sum of all digits is 9] ÷ 9	8613	246591
10	[Last digit is 0] ÷ 10	1000	678450
11	[[(Sum of odd digits) − (Sum of even digits)] is 0, multiples of 11] ÷ 11	639254	29435417
12	÷ (3, 4) Co-Primes	720	20040

14	÷(2,7) (Co-Primes)	98	182
15	÷(3,5) "	135	3600
16	[last 4 digits is 0000, multiples of 16] ÷16	120000	463776
18	÷(2,9) (Co-Primes)	864	6480
20	÷(4,5) "	53220	1800
21	÷(3,7) "	672	945
22	÷(2,11) "	4884	1100
24	÷(3,8) "	72120	96
25	[last 2 digits is 25,50,75,00] ÷25	525	38750
26	÷(2,13) (Co-Primes)	2298	364
27	[Sum of all digits is 27] ÷27	19683	1566
28	÷(4,7) (Co-Primes)	1428	588
30	÷(5,6) "	900	841440
32	[last 5 digits is 00000, multiples of 32] ÷32	363	9900
33	÷(3,11)	2277	462
34	÷(2,17)	748	918
35	÷(5,7)	560	35
36	÷(4,9)	252	900
38	÷(2,19)	2926	570
39	÷(3,13)	3393	390
40	÷(5,8)	1480	4000
42	÷(6,7)	4158	4074
44	÷(4,11)	1849	2838
45	÷(5,9)	90	1305
46	÷(2,23)	2300	1380
48	÷(6,8)	4032	336
50	[last 2 digits is 00,50 (or) ÷2,25] ÷50	600	450
51	÷(3,17)	2805	765
52	÷(4,13)	156	1352
54	÷(2,27)	486	4806
55	÷(5,11)	605	440
56	÷(7,8)	840	728
57	÷(3,19)	1083	3477
58	÷(2,29)	348	522
60	÷(6,10)	1260	5220

Last Digit of Divisor	Divisor	Multiplier With Last Digit Of Result (Multiplicand) (Initially, Dividend, then Result	(Divisor) [Remaining ± (last Digit × Multiplier)] ÷ Divisor (Digit Product Value)	Example
7	07	2 (Base value)	|[Remaining − (last Digit × 2)]| ÷ 07	315
	17	5	|[Remaining − (last Digit × 5)]| ÷ 17	187
	27	8	|[Remaining − (last Digit × 8)]| ÷ 27	2646
	37	11	|[Remaining − (last Digit × 11)]| ÷ 37	2257
	47	14	|[Remaining − (last Digit × 14)]| ÷ 47	4512
	57	17	|[Remaining − (last Digit × 17)]| ÷ 57	684
3	03	1 (Base value)	|[Remaining + (last Digit × 1)]| ÷ 03	471
	13	4	|[Remaining + (last Digit × 4)]| ÷ 13	416
	23	7	|[Remaining + (last Digit × 7)]| ÷ 23	1058
	33	10	|[Remaining + (last Digit × 10)]| ÷ 33	2640
	43	13	|[Remaining + (last Digit × 13)]| ÷ 43	86
	53	16	|[Remaining + (last Digit × 16)]| ÷ 53	5247
9 (multiple of 3)	09	1 (Base value)	|[Remaining + (last Digit × 1)]| ÷ 09	729
	19	2	|[Remaining + (last Digit × 2)]| ÷ 19	627
	29	3	|[Remaining + (last Digit × 3)]| ÷ 29	319
	39	4	|[Remaining + (last Digit × 4)]| ÷ 39	390
	49	5	|[Remaining + (last Digit × 5)]| ÷ 49	441
	59	6	|[Remaining + (last Digit × 6)]| ÷ 59	5133
11 (exception for 1)	11	1	|[Remaining − (last Digit × 1)]| ÷ 11	1331
	21	2	|[Remaining − (last Digit × 2)]| ÷ 21	189
	31	3	|[Remaining − (last Digit × 3)]| ÷ 31	155
	41	4	|[Remaining − (last Digit × 4)]| ÷ 41	3567
	51	5	|[Remaining − (last Digit × 5)]| ÷ 51	51

(Constant difference = 3)

(Constant difference = 3)

(Constant difference = 1)

(Constant difference = 1)