

A different collection of numbers over 100,000

Starting with a collection of all the factors of the two numbers of the form 10^N-1 and 10^{N+1} numbers like 9, 99, 999 etc. and 11, 101, 1001 etc. In the beginning of each line inside of the (13 9) the 13 is the number of repeating digits and the second number is the number of digits in the prime number. Following is $1/\text{prime number} = \text{the decimal value with repeating digits in } \{ \}$ with the number of repeating digits. The number at the end is the number of time the repeat sequence repeats in prime number less 1.

(9 6)1/333667=0.{000002997} 9 repeating digits r=1 One/37074
 (11 6)1/513239=0.{00000194841} 11 repeating digits r=1 One/46658
 (13 9)1/265371653=0.{0000000037683} 13 repeating digits r=1 One/20413204
 (14 6)1/909091=0.{00000109999989} 14 repeating digits r=1 One/64935
 (15 7)1/2906161=0.{00000344096559} 15 repeating digits r=1 One/193744
 (16 7)1/5882353=0.{00000169999983} 16 repeating digits r=1 One/367647
 (17 7)1/2071723=0.{0000048269001213} 17 repeating digits r=1 One/121866
 (17 10)1/5363222357=0.{0000000018645507} 17 repeating digits r=1 One/315483668
 (24 8)1/99990001=0.{0000001000099999989999} 24 repeating digits r=1 One/4166250
 (25 12)1/182521213001=0.{000000000054788152212999} 25 repeating digits r=1 One/7300848520
 (27 15)1/440334654777631=0.{00000000000002270999997729} 27 repeating digits r=1 One/16308690917690
 (28 9)1/121499449=0.{00000008230489999999176951} 28 repeating digits r=1 One/4339266
 (29 11)1/77843839397=0.{000000001284623173453773267} 29 repeating digits r=1 One/2684270324
 (31 7)1/6943319=0.{000001440233409987356190893721} 31 repeating digits r=1 One/223978
 (31 20)1/57336415063790604359=0.{0000000000000000174409229961} 31 repeating digits r=1
 One/1849561776251309818
 (33 19)1/1344628210313298373=0.{00000000000000000743699999992563} 33 repeating digits r=1
 One/40746309403433284
 (34 11)1/21993833369=0.{00000000045467289999999995453271} 34 repeating digits r=1 One/646877452
 (35 6)1/123551=0.{00000809382360320839167631180646049} 35 repeating digits r=1 One/3530
 (36 12)1/99999000001=0.{00000000010000099999999998999999} 36 repeating digits r=1 One/27777750000
 (37 7)1/2028119=0.{000004930677144684310930473014650521} 37 repeating digits r=1 One/54814
 (37 9)1/247629013=0.{000000040382990178941592760780417923} 37 repeating digits r=1 One/6692676
 (37 22)1/2212394296770203368013=0.{00000000000000000004519989955948923} 37 repeating digits r=1
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 (38 18)1/909090909090909091=0.{00000000000000001099999999999999989} 38 repeating digits r=1
 One/23923444976076555
 (39 24)1/9009009009090909091=0.{00000000000000000000110999999999889} 39 repeating digits r=1
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 (40 7)1/1676321=0.{000005965444565808099999940345554341919} 40 repeating digits r=1 One/41908
 (40 10)1/5964848081=0.{00000000167648863209999999983235113679} 40 repeating digits r=1 One/149121202
 (41 6)1/538987=0.{00000185533231784811136446704651503654077} 41 repeating digits r=1 One/13146
 (41 30)1/201763709900322803748657942361=0.{000000000000000000000000495629268759} 41 repeating
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 (42 6)1/459691=0.{000002175374327537410999997824625672462589} 42 repeating digits r=1 One/10945
 (43 7)1/1527791=0.{000006545397898010919032773461815130472689} 43 repeating digits r=1 One/35530
 (43 16)1/1963506722254397=0.{000000000000005092928833224729944985708267} 43 repeating digits r=1
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 (43 19)1/2140992015395526641=0.{00000000000000004670732038275537915021039} 43 repeating digits r=1
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 (45 6)1/238681=0.{000004189692518466069775139202533926035168279} 45 repeating digits r=1 One/5304
 (45 19)1/4185502830133110721=0.{0000000000000000238919919680999761080080319} 45 repeating digits r=1
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 (46 15)1/549797184491917=0.{000000000000181885252999999999999818114747} 46 repeating digits r=1
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 (47 8)1/35121409=0.{0000002847266178871126725012655386348537440511} 47 repeating digits r=1 One/747264
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 39)1/316362908763458525001406154038726382279=0.{00316092681} 47
 repeating digits r=1 One/6731125718371457978753322426355880474

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(484
6)1/170369=0.{000005869612429491280690735990702533911685811385874190727186283889674764775281888136
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0883141886141258092728137161103252352247181118630736812448274040465108088912889081933919903268787
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284412070271} 484 repeating digits r=1 One/352

(484
8)1/29606281=0.{0000000337766165226898981334399953847631183396523190467590306259675100699071254508
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(484
25)1/1491164086760128255001869=0.{0000000000000000000000006706170091399619874347404719716514214035
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(486
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4866833889567307} 486 repeating digits r=1 One/138746

(488
7)1/2438537=0.{00000041008194667540414601049727767099699532957670931382218108644650460501522019145
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(494
8)1/38816051=0.{0000000257625382860301785980237917556322254419956321677339098714601338502981666012
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(494
8)1/82266809=0.{0000000121555705412130425527991489252974428605830572570281655144786277051295377215
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(498
7)1/1442209=0.{00000069338077906877574609505279747942219192918640779526407060280444789902157038265
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(498
7)1/2184727=0.{00000045772309309126494980837422707734192876272412983407080152348554304496625894219
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(500

7)1/1610501=0.{00000062092479296815090459428463565064535818357144764269006973606349825302809498410
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