

1.  $\frac{1}{2}$  of the whole is  $\frac{1}{2}$  of the whole.  
 2.  $\frac{1}{4}$  of the whole is  $\frac{1}{4}$  of the whole.  
 3.  $\frac{1}{8}$  of the whole is  $\frac{1}{8}$  of the whole.  
 4.  $\frac{1}{16}$  of the whole is  $\frac{1}{16}$  of the whole.  
 5.  $\frac{1}{32}$  of the whole is  $\frac{1}{32}$  of the whole.  
 6.  $\frac{1}{64}$  of the whole is  $\frac{1}{64}$  of the whole.  
 7.  $\frac{1}{128}$  of the whole is  $\frac{1}{128}$  of the whole.  
 8.  $\frac{1}{256}$  of the whole is  $\frac{1}{256}$  of the whole.  
 9.  $\frac{1}{512}$  of the whole is  $\frac{1}{512}$  of the whole.  
 10.  $\frac{1}{1024}$  of the whole is  $\frac{1}{1024}$  of the whole.  
 11.  $\frac{1}{2048}$  of the whole is  $\frac{1}{2048}$  of the whole.  
 12.  $\frac{1}{4096}$  of the whole is  $\frac{1}{4096}$  of the whole.  
 13.  $\frac{1}{8192}$  of the whole is  $\frac{1}{8192}$  of the whole.  
 14.  $\frac{1}{16384}$  of the whole is  $\frac{1}{16384}$  of the whole.  
 15.  $\frac{1}{32768}$  of the whole is  $\frac{1}{32768}$  of the whole.  
 16.  $\frac{1}{65536}$  of the whole is  $\frac{1}{65536}$  of the whole.  
 17.  $\frac{1}{131072}$  of the whole is  $\frac{1}{131072}$  of the whole.  
 18.  $\frac{1}{262144}$  of the whole is  $\frac{1}{262144}$  of the whole.  
 19.  $\frac{1}{524288}$  of the whole is  $\frac{1}{524288}$  of the whole.  
 20.  $\frac{1}{1048576}$  of the whole is  $\frac{1}{1048576}$  of the whole.  
 21.  $\frac{1}{2097152}$  of the whole is  $\frac{1}{2097152}$  of the whole.  
 22.  $\frac{1}{4194304}$  of the whole is  $\frac{1}{4194304}$  of the whole.  
 23.  $\frac{1}{8388608}$  of the whole is  $\frac{1}{8388608}$  of the whole.  
 24.  $\frac{1}{16777216}$  of the whole is  $\frac{1}{16777216}$  of the whole.  
 25.  $\frac{1}{33554432}$  of the whole is  $\frac{1}{33554432}$  of the whole.  
 26.  $\frac{1}{67108864}$  of the whole is  $\frac{1}{67108864}$  of the whole.  
 27.  $\frac{1}{134217728}$  of the whole is  $\frac{1}{134217728}$  of the whole.  
 28.  $\frac{1}{268435456}$  of the whole is  $\frac{1}{268435456}$  of the whole.  
 29.  $\frac{1}{536870912}$  of the whole is  $\frac{1}{536870912}$  of the whole.  
 30.  $\frac{1}{1073741824}$  of the whole is  $\frac{1}{1073741824}$  of the whole.  
 31.  $\frac{1}{2147483648}$  of the whole is  $\frac{1}{2147483648}$  of the whole.  
 32.  $\frac{1}{4294967296}$  of the whole is  $\frac{1}{4294967296}$  of the whole.  
 33.  $\frac{1}{8589934592}$  of the whole is  $\frac{1}{8589934592}$  of the whole.  
 34.  $\frac{1}{17179869184}$  of the whole is  $\frac{1}{17179869184}$  of the whole.  
 35.  $\frac{1}{34359738368}$  of the whole is  $\frac{1}{34359738368}$  of the whole.  
 36.  $\frac{1}{68719476736}$  of the whole is  $\frac{1}{68719476736}$  of the whole.  
 37.  $\frac{1}{137438953472}$  of the whole is  $\frac{1}{137438953472}$  of the whole.  
 38.  $\frac{1}{274877906944}$  of the whole is  $\frac{1}{274877906944}$  of the whole.  
 39.  $\frac{1}{549755813888}$  of the whole is  $\frac{1}{549755813888}$  of the whole.  
 40.  $\frac{1}{1099511627776}$  of the whole is  $\frac{1}{1099511627776}$  of the whole.  
 41.  $\frac{1}{2199023255552}$  of the whole is  $\frac{1}{2199023255552}$  of the whole.  
 42.  $\frac{1}{4398046511104}$  of the whole is  $\frac{1}{4398046511104}$  of the whole.  
 43.  $\frac{1}{8796093022208}$  of the whole is  $\frac{1}{8796093022208}$  of the whole.  
 44.  $\frac{1}{17592186044416}$  of the whole is  $\frac{1}{17592186044416}$  of the whole.  
 45.  $\frac{1}{35184372088832}$  of the whole is  $\frac{1}{35184372088832}$  of the whole.  
 46.  $\frac{1}{70368744177664}$  of the whole is  $\frac{1}{70368744177664}$  of the whole.  
 47.  $\frac{1}{140737488355328}$  of the whole is  $\frac{1}{140737488355328}$  of the whole.  
 48.  $\frac{1}{281474976710656}$  of the whole is  $\frac{1}{281474976710656}$  of the whole.  
 49.  $\frac{1}{562949953421312}$  of the whole is  $\frac{1}{562949953421312}$  of the whole.  
 50.  $\frac{1}{1125899906842624}$  of the whole is  $\frac{1}{1125899906842624}$  of the whole.  
 51.  $\frac{1}{2251799813685248}$  of the whole is  $\frac{1}{2251799813685248}$  of the whole.  
 52.  $\frac{1}{4503599627370496}$  of the whole is  $\frac{1}{4503599627370496}$  of the whole.  
 53.  $\frac{1}{9007199254740992}$  of the whole is  $\frac{1}{9007199254740992}$  of the whole.  
 54.  $\frac{1}{18014398509481984}$  of the whole is  $\frac{1}{18014398509481984}$  of the whole.  
 55.  $\frac{1}{36028797018963968}$  of the whole is  $\frac{1}{36028797018963968}$  of the whole.  
 56.  $\frac{1}{72057594037927936}$  of the whole is  $\frac{1}{72057594037927936}$  of the whole.  
 57.  $\frac{1}{144115188075855872}$  of the whole is  $\frac{1}{144115188075855872}$  of the whole.  
 58.  $\frac{1}{288230376151711744}$  of the whole is  $\frac{1}{288230376151711744}$  of the whole.  
 59.  $\frac{1}{576460752303423488}$  of the whole is  $\frac{1}{576460752303423488}$  of the whole.  
 60.  $\frac{1}{1152921504606846976}$  of the whole is  $\frac{1}{1152921504606846976}$  of the whole.  
 61.  $\frac{1}{2305843009213693952}$  of the whole is  $\frac{1}{2305843009213693952}$  of the whole.  
 62.  $\frac{1}{4611686018427387904}$  of the whole is  $\frac{1}{4611686018427387904}$  of the whole.  
 63.  $\frac{1}{9223372036854775808}$  of the whole is  $\frac{1}{9223372036854775808}$  of the whole.  
 64.  $\frac{1}{18446744073709551616}$  of the whole is  $\frac{1}{18446744073709551616}$  of the whole.  
 65.  $\frac{1}{36893488147419103232}$  of the whole is  $\frac{1}{36893488147419103232}$  of the whole.  
 66.  $\frac{1}{73786976294838206464}$  of the whole is  $\frac{1}{73786976294838206464}$  of the whole.  
 67.  $\frac{1}{147573952589676412928}$  of the whole is  $\frac{1}{147573952589676412928}$  of the whole.  
 68.  $\frac{1}{295147905179352825856}$  of the whole is  $\frac{1}{295147905179352825856}$  of the whole.  
 69.  $\frac{1}{590295810358705651712}$  of the whole is  $\frac{1}{590295810358705651712}$  of the whole.  
 70.  $\frac{1}{1180591620717411303424}$  of the whole is  $\frac{1}{1180591620717411303424}$  of the whole.  
 71.  $\frac{1}{23$

1.  $\frac{1}{2}$  2.  $\frac{1}{3}$  3.  $\frac{1}{4}$  4.  $\frac{1}{5}$  5.  $\frac{1}{6}$  6.  $\frac{1}{7}$  7.  $\frac{1}{8}$  8.  $\frac{1}{9}$  9.  $\frac{1}{10}$  10.  $\frac{1}{11}$  11.  $\frac{1}{12}$  12.  $\frac{1}{13}$  13.  $\frac{1}{14}$  14.  $\frac{1}{15}$  15.  $\frac{1}{16}$  16.  $\frac{1}{17}$  17.  $\frac{1}{18}$  18.  $\frac{1}{19}$  19.  $\frac{1}{20}$  20.  $\frac{1}{21}$  21.  $\frac{1}{22}$  22.  $\frac{1}{23}$  23.  $\frac{1}{24}$  24.  $\frac{1}{25}$  25.  $\frac{1}{26}$  26.  $\frac{1}{27}$  27.  $\frac{1}{28}$  28.  $\frac{1}{29}$  29.  $\frac{1}{30}$  30.  $\frac{1}{31}$  31.  $\frac{1}{32}$  32.  $\frac{1}{33}$  33.  $\frac{1}{34}$  34.  $\frac{1}{35}$  35.  $\frac{1}{36}$  36.  $\frac{1}{37}$  37.  $\frac{1}{38}$  38.  $\frac{1}{39}$  39.  $\frac{1}{40}$  40.  $\frac{1}{41}$  41.  $\frac{1}{42}$  42.  $\frac{1}{43}$  43.  $\frac{1}{44}$  44.  $\frac{1}{45}$  45.  $\frac{1}{46}$  46.  $\frac{1}{47}$  47.  $\frac{1}{48}$  48.  $\frac{1}{49}$  49.  $\frac{1}{50}$  50.  $\frac{1}{51}$  51.  $\frac{1}{52}$  52.  $\frac{1}{53}$  53.  $\frac{1}{54}$  54.  $\frac{1}{55}$  55.  $\frac{1}{56}$  56.  $\frac{1}{57}$  57.  $\frac{1}{58}$  58.  $\frac{1}{59}$  59.  $\frac{1}{60}$  60.  $\frac{1}{61}$  61.  $\frac{1}{62}$  62.  $\frac{1}{63}$  63.  $\frac{1}{64}$  64.  $\frac{1}{65}$  65.  $\frac{1}{66}$  66.  $\frac{1}{67}$  67.  $\frac{1}{68}$  68.  $\frac{1}{69}$  69.  $\frac{1}{70}$  70.  $\frac{1}{71}$  71.  $\frac{1}{72}$  72.  $\frac{1}{73}$  73.  $\frac{1}{74}$  74.  $\frac{1}{75}$  75.  $\frac{1}{76}$  76.  $\frac{1}{77}$  77.  $\frac{1}{78}$  78.  $\frac{1}{79}$  79.  $\frac{1}{80}$  80.  $\frac{1}{81}$  81.  $\frac{1}{82}$  82.  $\frac{1}{83}$  83.  $\frac{1}{84}$  84.  $\frac{1}{85}$  85.  $\frac{1}{86}$  86.  $\frac{1}{87}$  87.  $\frac{1}{88}$  88.  $\frac{1}{89}$  89.  $\frac{1}{90}$  90.  $\frac{1}{91}$  91.  $\frac{1}{92}$  92.  $\frac{1}{93}$  93.  $\frac{1}{94}$  94.  $\frac{1}{95}$  95.  $\frac{1}{96}$  96.  $\frac{1}{97}$  97.  $\frac{1}{98}$  98.  $\frac{1}{99}$  99.  $\frac{1}{100}$

Case	Polynomial	Roots	Sum of Roots	Product of Roots
1	$x^2 - 5x + 6$	2, 3	5	6
2	$x^2 - 7x + 12$	3, 4	7	12
3	$x^2 - 8x + 15$	3, 5	8	15
4	$x^2 - 9x + 18$	3, 6	9	18
5	$x^2 - 10x + 21$	3, 7	10	21
6	$x^2 - 11x + 24$	3, 8	11	24