

**Decimal for  $\frac{1}{n}$  for values of  $n$  from 2 to 60**

	Non-recurring digits	Recurring digits
$\frac{1}{2}=0.5$	1	
$\frac{1}{3}=0.\bar{3}$		1
$\frac{1}{4}=0.25$	2	
$\frac{1}{5}=0.2$	1	
$\frac{1}{6}=0.1\bar{6}$	1	1
$\frac{1}{7}=0.\overline{142857}$		6
$\frac{1}{8}=0.125$	3	
$\frac{1}{9}=0.\bar{1}$		1
$\frac{1}{10}=0.1$	1	
$\frac{1}{11}=0.\overline{09}$		2
$\frac{1}{12}=0.08\bar{3}$	2	1
$\frac{1}{13}=0.\overline{076923}$		6
$\frac{1}{14}=0.0\overline{714285}$	1	6
$\frac{1}{15}=0.0\bar{6}$	1	1
$\frac{1}{16}=0.0625$	4	
$\frac{1}{17}=0.\overline{0588235294117647}$		16
$\frac{1}{18}=0.0\bar{5}$	1	1
$\frac{1}{19}=0.\overline{052631578947368421}$		18
$\frac{1}{20}=0.05$	2	
$\frac{1}{21}=0.\overline{047619}$		6
$\frac{1}{22}=0.0\bar{45}$	1	2
$\frac{1}{23}=0.\overline{0434782608695652173913}$		22
$\frac{1}{24}=0.041\bar{6}$	3	1
$\frac{1}{25}=0.04$	2	
$\frac{1}{26}=0.0\overline{384615}$	1	6
$\frac{1}{27}=0.\overline{037}$		3
$\frac{1}{28}=0.03\overline{571428}$	2	6
$\frac{1}{29}=0.\overline{0344827586206896551724137931}$		28
$\frac{1}{30}=0.0\bar{3}$	1	1
$\frac{1}{31}=0.\overline{032258064516129}$		15
$\frac{1}{32}=0.03125$	5	
$\frac{1}{33}=0.\overline{03}$		2

$\frac{1}{34} = 0.0\overline{2941176470588235}$	1	16
$\frac{1}{35} = 0.0\overline{285714}$	1	6
$\frac{1}{36} = 0.02\overline{7}$	2	1
$\frac{1}{37} = 0.\overline{027}$		3
$\frac{1}{38} = 0.0\overline{263157894736842105}$	1	18
$\frac{1}{39} = 0.\overline{025641}$		6
$\frac{1}{40} = 0.025$	3	
$\frac{1}{41} = 0.\overline{02439}$		5
$\frac{1}{42} = 0.0\overline{238095}$	1	6
$\frac{1}{43} = 0.\overline{023255813953488372093}$		21
$\frac{1}{44} = 0.02\overline{27}$	2	2
$\frac{1}{45} = 0.0\overline{2}$	1	1
$\frac{1}{46} = 0.0\overline{2173913043478260869565}$	1	22
$\frac{1}{47} = 0.\overline{0212765957446808510638297872340425531914893617}$		46
$\frac{1}{48} = 0.0208\overline{3}$	4	1
$\frac{1}{49} = 0.\overline{020408163265306122448979591836734693877551}$		42
$\frac{1}{50} = 0.02$	2	
$\frac{1}{51} = 0.\overline{0196078431372549}$		16
$\frac{1}{52} = 0.01\overline{923076}$	2	6
$\frac{1}{53} = 0.\overline{0188679245283}$		13
$\frac{1}{54} = 0.0\overline{185}$	1	3
$\frac{1}{55} = 0.0\overline{18}$	1	2
$\frac{1}{56} = 0.017\overline{857142}$	3	6
$\frac{1}{57} = 0.\overline{017543859649122807}$		18
$\frac{1}{58} = 0.0\overline{1724137931034482758620689655}$	1	28
$\frac{1}{59} = 0.\overline{0169491525423728813559322033898305084745762711864406779661}$		58
$\frac{1}{60} = 0.01\overline{6}$	2	1