

Fraction to Decimal Conversion Table

fraction - decimal			
$\frac{1}{1} = 1$			
$\frac{1}{2} = 0.\underline{5}$			
$\frac{1}{3} = 0.\underline{3}$	$\frac{2}{3} = 0.\underline{6}$		
$\frac{1}{4} = 0.25$	$\frac{3}{4} = 0.75$		
$\frac{1}{5} = 0.2$	$\frac{2}{5} = 0.4$	$\frac{3}{5} = 0.6$	$\frac{4}{5} = 0.8$
$\frac{1}{6} = 0.\underline{16}$	$\frac{5}{6} = 0.83$		
$\frac{1}{7} = 0.142857$	$\frac{2}{7} = 0.285714$	$\frac{3}{7} = 0.428571$	$\frac{4}{7} = 0.571428$
	$\frac{5}{7} = 0.74285$	$\frac{6}{7} = 0.857142$	
$\frac{1}{8} = 0.125$	$\frac{3}{8} = 0.375$	$\frac{5}{8} = 0.625$	$\frac{7}{8} = 0.875$
$\frac{1}{9} = 0.\underline{1}$	$\frac{2}{9} = 0.\underline{2}$	$\frac{4}{9} = 0.\underline{4}$	$\frac{5}{9} = 0.\underline{5}$
	$\frac{7}{9} = 0.\underline{7}$	$\frac{8}{9} = 0.\underline{8}$	
$\frac{1}{10} = 0.1$	$\frac{3}{10} = 0.3$	$\frac{7}{10} = 0.7$	$\frac{9}{10} = 0.9$
$\frac{1}{11} = 0.\underline{09}$	$\frac{2}{11} = 0.\underline{18}$	$\frac{3}{11} = 0.\underline{27}$	$\frac{4}{11} = 0.\underline{36}$
	$\frac{5}{11} = 0.\underline{45}$	$\frac{6}{11} = 0.\underline{54}$	$\frac{7}{11} = 0.\underline{63}$
	$\frac{8}{11} = 0.\underline{72}$	$\frac{9}{11} = 0.\underline{81}$	$\frac{10}{11} = 0.\underline{90}$
$\frac{1}{12} = 0.083$	$\frac{5}{12} = 0.416$	$\frac{7}{12} = 0.583$	$\frac{11}{12} = 0.916$
$\frac{1}{16} = 0.0625$	$\frac{3}{16} = 0.1875$	$\frac{5}{16} = 0.3125$	$\frac{7}{16} = 0.4375$
	$\frac{11}{16} = 0.6875$	$\frac{13}{16} = 0.8125$	$\frac{15}{16} = 0.9375$
$\frac{1}{32} = 0.03125$	$\frac{3}{32} = 0.09375$	$\frac{5}{32} = 0.15625$	$\frac{7}{32} = 0.21875$
	$\frac{9}{32} = 0.28125$	$\frac{11}{32} = 0.34375$	$\frac{13}{32} = 0.40625$
	$\frac{15}{32} = 0.46875$	$\frac{17}{32} = 0.53125$	$\frac{19}{32} = 0.59375$
	$\frac{21}{32} = 0.65625$	$\frac{23}{32} = 0.71875$	$\frac{25}{32} = 0.78125$
	$\frac{27}{32} = 0.84375$	$\frac{29}{32} = 0.90625$	$\frac{31}{32} = 0.96875$

Any span of numbers that is underlined signifies that those numbers are repeated