



- All the numbers in each row are different representations of the same value. Can you use your calculator to complete the table?
- Use the following features to help you out if they are available on your calculator:
 - fx-991EX & fx83|85GTX [S+D] ($a\frac{b}{c}+\frac{d}{e}$) [M] ($\frac{\blacksquare}{\blacksquare}$) (■) (%)
 - fx-991CW & fx83|85GTCW [FORMAT] [M] ($\frac{\blacksquare}{\blacksquare}$) [M] - Probability]
- Use your rounding skills, especially for the percentage column, as this must be given to three significant figures.
- Shade any area where that representation is not available.

Fraction	Mixed Number	Decimal <small>(Full calculator display of up to 10 significant figures)</small>	Recurring Decimal	Percentage <small>(Give to 3 significant figures)</small>
$\frac{16}{9}$				
				210% <i>(Not rounded)</i>
		0.875		
	$5\frac{2}{3}$			
			0.2	
$\frac{1}{33}$				
				3% <i>(Not rounded)</i>
			9.8	
	$50\frac{1}{6}$		<i>Be careful with the recurrence here</i>	<i>Be careful here with rounding to 3 s.f.</i>
$\overline{12}$		1.41666667		
			1.67 <i>Be careful here</i>	
				300.1% <i>(Not rounded)</i>
$\frac{2}{123}$				
			5.45	
	$2\overline{4500}$	2.000222222		



Solutions

Fraction	Mixed Number	Decimal (Full calculator display of up to 10 significant figures)	Recurring Decimal	Percentage (Give to 3 significant figures)
$\frac{16}{9}$	$1\frac{7}{9}$	1.777777778	$1.\dot{7}$	178%
$\frac{21}{10}$	$2\frac{1}{10}$	2.1		210%
$\frac{7}{8}$		0.875		87.5%
$\frac{17}{3}$	$5\frac{2}{3}$	5.666666667	$5.\dot{6}$	567%
$\frac{2}{9}$		0.2222222222	$0.\dot{2}$	22.2%
$\frac{1}{33}$		0.0303030303	$0.0\dot{3}$	3%
$\frac{3}{100}$		0.03		3%
$\frac{89}{9}$	$9\frac{8}{9}$	9.888888889	$9.\dot{8}$	989%
$\frac{301}{6}$	$50\frac{1}{6}$	50.16666667	$50.1\dot{6}$	5020%
$\frac{17}{12}$	$1\frac{5}{12}$	1.416666667	$1.41\dot{6}$	142%
$\frac{166}{99}$	$1\frac{67}{99}$	1.676767677	$1.\dot{6}\dot{7}$	168%
$\frac{3001}{1000}$	$3\frac{1}{1000}$	3.001		300.1%
$\frac{2}{123}$		0.0162601626	$0.\dot{0}162\dot{6}$	1.63%
$\frac{60}{11}$	$5\frac{5}{11}$	5.454545455	$5.\dot{4}\dot{5}$	545%
$\frac{9001}{4500}$	$2\frac{1}{4500}$	2.000222222	$2.000\dot{2}$	200%