Fractions and Recurring Decimals Mark Scheme		
1(a)	$\frac{4}{6}$	[1] Correctly identified fraction
1(b)	0.91Ġ	[1] Convert fraction to decimal
1(c)	<u>6</u> <u>9</u>	[1] Correctly identified fraction
2	7 ÷ 12 using the bus stop method	[1] By bus stop method or otherwise
	0.583	[1] Correct decimal
3	$x = 0.2\dot{5}$ $100x = 25.2\dot{5}$	[1] Finding 100x
	$ \begin{array}{r} 100x - x &= 99x \\ 25. \dot{25} &- 0. \dot{25} &= 25 \\ 99x &= 25 \end{array} $	[1] Difference to find 99 <i>x</i>
	$x = \frac{25}{99}$	[1] Write x as a fraction over 99
4	$x = 0.\dot{1}3\dot{5}$ $1000x = 135.\dot{1}3\dot{5}$	[1] Finding 1000x
	999x = 135	[1] Difference to find 999x
	$x = \frac{135}{999}, \qquad x = \frac{5}{37}$	[1] Write <i>x</i> as a fraction over 999 and simplify
5	<u>4</u> 11	[1] Form fraction from question
	$4 \div 11$ using the bus stop method	[1] By bus stop or otherwise
	0. 36	[1] Correct decimal
6	In step 2 – Terry using the wrong multiplier $83. \dot{3} \neq 10 x$ Should be $83. \dot{3} = 100 x$	[1] Identify error and suggest correction
	Step 3: Need to subtract when number after decimal point is equivalent $83.\dot{3} = 10 x$ $- 0.8\dot{3} = x$ Should be $83.\dot{3} = 100 x$ $- 8.\dot{3} = 100 x$ 75 = 90x	[1] Identify error and suggest correction
	Step 4: subtracted rather then divide 83 - 9 = x x = 74 Should be $75 = 90x, x = \frac{75}{90} = \frac{5}{6}$	[1] Identify error and suggest correction

END