

Long Division Mark Scheme:		
1(a)	$ \begin{array}{r} 65 \\ 7 \overline{) 455} \\ \underline{42} \\ 35 \\ \underline{35} \\ 0 \end{array} $	[1] Correct intermediate steps
	65, no remainder	[1] Full marks for correct final answer.
1(b)	$ \begin{array}{r} 109 \\ 6 \overline{) 654} \\ \underline{600} \\ 54 \\ \underline{54} \\ 0 \end{array} $	[1] Correct intermediate steps
	109, no remainder	[1] Full marks for correct final answer.
2	The student has included an incorrect extra step in the middle of the calculation hence the 0 should not be in the tens place.	[1] Correctly identified error
	$ \begin{array}{r} 31 \text{ r}15 \\ 18 \overline{) 573} \\ \underline{540} \\ 33 \\ \underline{18} \\ 15 \end{array} $	[1] Correct intermediate steps
	Correct answer: 31 r 15.	[1] Full marks for correct final answer.
3(a)	$ \begin{array}{r} 9 \\ 37 \overline{) 333} \\ \underline{333} \\ 0 \end{array} $	[1] Correct intermediate steps
	If $333 \div 37$ is 9, $33.3 \div 37$ is 0.9	[1] Full marks for correct final answer.

Turn over ►

3(b)	$\begin{array}{r} 3 \text{ r}11 \\ 22 \overline{) 77} \\ \underline{66} \\ 11 \end{array}$	[1] Correct intermediate steps
	3 r11 which is the same as 3.5	[1] Full marks for correct final answer.
4(a)	£7.75 is the same as 775p 87p is the same as 0.87	[1] Either method
	$\begin{array}{r} 8 \\ 87 \overline{) 775} \\ \underline{696} \\ 79 \end{array}$	[1] Correct intermediate steps, this is $7.75 \div 0.87$, which results in the same quotient.
	He can buy 8 onion bhajis.	[1] Full marks for correct final answer.
4(b)	The left over money is the remainder: 79p = £0.79	[1]
5(a)	$\begin{array}{r} 13 \text{ r}8 \\ 36 \overline{) 476} \\ \underline{468} \\ 8 \end{array}$	[1] Correct intermediate steps
	Because there is a remainder, this means you have to have an extra bus.	[1] Reasoning
	14 buses are required	[1] Full marks for correct final answer.
5(b)	8 people would be on the last bus, (unless the school decided to distribute them differently)	[1] Correct conclusion
6(a)	$\begin{array}{r} 23 \\ 32 \overline{) 736} \\ \underline{736} \\ 0 \end{array}$	[1] Correct intermediate steps
	23p (or £0.23) per orange	[1] Full marks for correct final answer.
6(b)	$\begin{array}{r} 956 \text{ r}5.4 \\ 12 \overline{) 11477.40} \\ \underline{11472} \\ 5.4 \end{array}$	[1] Correct intermediate steps
	Rent per month = £956.45	[1] Full marks for correct final answer.

END