

**Long Division Mark Scheme**

<b>1(a)</b>	$  \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.
<b>1(b)</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.
<b>2</b>	<p>The student has included an incorrect extra step in the middle of the calculation hence the 0 should not be in the tens place.</p>	[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.
<b>3(a)</b>	$  \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 r 11 which is the same as 3.5	[1] Full marks for correct final answer.
4(a)	<p>£7.75 is the same as 775p 87p is the same as 0.87</p>	[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