

Long Multiplication Mark Scheme		
1	$ \begin{array}{r} 256 \\ 59 \quad \times \\ \hline 2304 \\ 12800 \\ \hline 15104 \end{array} $	[2] 1 mark for correct rows, splitting up the calculation into 50×256 and 9×256 to get correct final answer.
2	$ \begin{array}{r} 127 \\ 88 \quad \times \\ \hline 1016 \\ 10160 \\ \hline 11176 \end{array} $	[2] 1 mark for correct rows, splitting up the calculation into 8×127 and 80×127 to get correct final answer.
3	$ \begin{array}{r} 12.6 \\ 41 \quad \times \\ \hline 12.6 \\ 504 \\ \hline 516.6 \end{array} $	[2] 1 mark for correct rows, splitting up the calculation into 1×12.6 and 40×12.6 to get correct final answer.
4	$ \begin{array}{r} 6.43 \\ 94 \quad \times \\ \hline 24.00 \\ 1.60 \\ 0.12 \\ 54.00 \\ 3.60 \\ 0.27 \\ \hline 604.42 \end{array} $	[2] 1 mark for first 3 rows. 1 mark for final answer.

Turn over ►

5	$ \begin{array}{r} 4.65 \\ 29 \quad \times \\ \hline 41.85 \\ 93.00 \\ \hline 134.85 \end{array} $	<p>[3] 1 mark for each correct row</p> <p>Alternatively, decimals could be included in a later step or just with the final sum.</p>
6	$\pounds 1.25 + \pounds 0.90 + \pounds 0.99 = \pounds 3.14$	[1] Finding total cost per student
	$ \begin{array}{r} 3.14 \\ 325 \quad \times \\ \hline 15.7 \\ 62.8 \\ 942 \\ \hline 1020.50 \end{array} $	[2] Correct calculations
7(a)	$ \begin{array}{r} 17.4 \\ 36 \quad \times \\ \hline 104.4 \\ 522.0 \\ \hline 626.4 \text{ km} \end{array} \qquad \begin{array}{r} 20.4 \\ 36 \quad \times \\ \hline 122.4 \\ 612.0 \\ \hline 734.4 \text{ km} \end{array} $	[3] 1 mark for each correct row
7(b)	The Ducato drives furthest: $734.4 > 626.4$	[1] For correct choice
	$734.4 - 626.4 = 108 \text{ km}$ <p>The Ducato drives 108 km further on 36 litres of petrol.</p>	[1] For calculation

END