C	Question		Answer	Marks	Part Marks and Guidance	
1	(a)		81	2	M1 for $45 \times \frac{9}{5}$ oe or for 9 minutes for 1 km oe	
	(b)		6.6 or 6.6 or 6.7 or $6\frac{2}{3}$ or 7	3	M2 for $\frac{5}{0.75}$ oe or $\frac{9}{their(a)/60}$ oe Or M1 for $\frac{5}{45}$ oe or $\frac{9}{their(a)}$ oe	eg 60/9

Answer	Marks	Answer and Guidance	
Full correct conclusion with correct working, clearly laid out or a fully correct, justified and reasoned solution based on clear estimates	5	Ignore any calculations or conclusions about energy	Corny Flakes for 100g, 10g, 1g Sugar = 21, 2.1, 0.21 Fat = 3, 0.3, 0.03 Fibre = 3, 0.3, 0.03 Salt = 1, 0.1, 0.01
As above but with \leq 2 errors or if solution is not easy to follow	4 – 3	For the lower mark \geq half of the required calculations will be correct and some conclusions (correct for their calculations) will be drawn or a full solution based on estimated amounts (eg using 3 or 3.3 instead of $\frac{10}{3}$)	Super Fibre for 10g, 1g Sugar = 2.77, 0.277 Fat = 0.94, 0.094 Fibre = 0.84, 0.084 Salt = 0.01, 0.001 Corny Flakes, Super Fibre for 300g
Half of the required calculations will be correct No relevant comment eg subtracting raw	2 – 1	 For the lower mark there will be one correct calculation or an attempt to draw conclusions based on wrong (but relevant) calculations or a realisation that they need to compare equivalent amounts of each cereal 	Sugar = 63, 83.1 Fat = 9, 28.2 Fibre = 9, 25.2 Salt = 3, 0.3 Therefore the makers are wrong on sugar and fat (ie <i>SF</i> has more) but right on fibre (<i>SF</i> has more) and salt (<i>SF</i> has less)
	ant comment eg subtracting raw or without conclusions	and comment og cabillacting raw	compare equivalent amounts of each cereal ant comment eg subtracting raw 0

[gal FT 7.65 FT × 12 9.05 Or for 4 litre 70 - thei 121	### 42 or 1.66 — 1.67 or 1.7 Illons used] ### Their gallons × 4.5 or 7.47 to 5 [litres used] ### Their litres for 70 miles used 21.9 or × 1.219 ### 9 to 9.17 or 9.32 to 9.34 ### ### A1 ### A2/4.5 or 9.3(3) [miles per experiment of the content of the con	in principle: M1 for dealing correctly with any two elements of $\frac{70}{42} \times 4.5 \times 121.9$, M1 for correctly combining the result with a third, M1 for correctly combining the result with the fourth. For A1 accept unrounded answers as well as answers to nearest penny. or B4 ; B3 for 909 to 917	Or M1 for 121.9 × 4.5 or 548.(55) [cost of one gallon, in pence] or 70/42 or 1.66 – 1.67 or 1.7 [gallons used] then M2 for 70/42 or 1.66 – 1.67 or 1.7 [gallons used] and their (1.66 – 1.67) × their 548.(55) proportion methods: 7.5 litres used in 70 miles earns M2—then 7.5 × 121.9 earns last M1 42 miles costs 548.(55)[p] earns M2 then [×] 70/42 or informal proportion used correctly earns last M1 M0 for just 70 × 121.9 allow B3 for 8.7768 rot to 2 dp or more, [from premature approxn to 1.6 gallons used]
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4	(a)	1.40[p]	3	B1 for 7.34 seen And B1 for 4.68 or 2.66 seen	Answer 1.4 implies B1B1
	(b)	173 or 174	3	B2 for answer 173.4 to 173.5 Or M1 for 0.83 × 209 oe soi	Condone For M1 0.17 × 209 oe soi

5	(a)	(i)	13	3	B2 for $12\frac{3}{4}$ or $\frac{51}{4}$ or $12.()$	
					Or M1 for $17 \times \frac{3}{4}$ or $51 \div 4$ or 17×0.75 or 4.25×3 And B1FT for rounding up any noninteger answer >1	 51/68 implies M1 Calculation doesn't need to be attempted for M1 If 'counting on' used (eg 0.75, 1.5, 2.25) award B marks if 12 pizzas =
					If ratio method used B2 for 12 pizzas = 16 scouts Or B1 for 3 pizzas = 4 scouts or better	16 scouts or for 3 pizzas = 4 scouts are reached and recorded clearly
		(ii)	2.21	3	M2 for 2.60 – <i>their</i> 15% Or 2.60 × 0.85 with attempt at long multiplication	If their 13 pizzas considered allow FT for M2 or M1 provided method is clear.
					Or M1 for 0.26 and 0.13 seen or full method for getting 15% of 2.60 SC2 28.73	Condone confused units for M marks (eg 2.60- (26 + 13)) Also 221 implies M2.
	(b)		3240	2	B1 for 100 used	