

| Question | Working | Answer | Mark | Notes |
|----------|---|--------|------|---|
| 16 | Let t = total number of students and c = number of students who travel by car Allow any letters for t and c | | | |
| | $[t =] \frac{208}{0.104}$ or $[t =] 718 + 0.896t - 510$ or $\frac{208}{208 + 510 + c} = 0.104$ or $[c =] \frac{208}{0.104} - 208 - 510$ or $[c =] 0.896 \times \frac{208}{0.104} - 510$ or $[c =] \frac{208}{0.104} - 718$ or $0.896 \times (718 + c) = 510 + c$ or $\frac{510}{208} \times 10.4$ | | 4 | M1 correct method to find t or c or correct equation (any form) in terms of t or c or correct method to find the % that represents 510 students May be implied by seeing 25.5 or 1282 or 2000 |
| | $[t =] 2000$ or $[c =] 1282$ or 25.5 | | | A1 correct value for t or c or percentage |
| | $\frac{"1282"}{2000} \times 100$ or $\frac{"1282"}{"1282" + 208 + 510} \times 100$ or $\frac{1282}{"2000"} \times 100$ or $100 - 10.4 - "25.5"$ or $100 - 10.4 - \frac{510}{"2000"} \times 100$ | | | M1 For an attempt at a correct method to find the percentage. Allow $\frac{n}{2000} \times 100$ or $\frac{n}{n + 718} \times 100$ where $n < 2000$ or $\frac{1282}{m} \times 100$ where $m > 1282$ or $\frac{r - 718}{r} \times 100$ where $r > 718$ or $100 - 10.4 - \frac{510}{"p"} \times 100$ where $p > 510$ or $100 - 10.4 - q$ where $20 < q < 30$ may be implied by 64.1 Condone rounded figures. |
| | Correct answer scores full marks (unless from obvious incorrect working) | 64.1 | | A1 cao Allow 64 Do not ISW This must be the answer on the answer line or if no answer on the answer line their final answer which may be shown for example by circling or underlining. |
| | | | | Total 4 marks |