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| **Topic 4: Statistics and Probability** | **Probability and Tree Diagrams** | |
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| 1. If Amanda gets up on time, the probability that she walks to school is 0.90. If Amanda gets up late, there is a 0.25 probability that she gets a ride with her father. The tree diagram below represents the probabilities of these scenarios. Amanda wakes up on time at a probability of 0.7. | | |
| * 1. Complete the tree diagram   2. Find the probability she walks to school | | (3 marks)  (3 marks) |

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| Mark scheme:  (a)    (A1)(A1)(A1) for each correct pair | |
|  | (A1)(M1) (A1) |