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| **Fill in the Blanks** | **Tree Diagrams for Independent Events** |

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| **Question** | **Tree Diagram** | **Probability** | |
| The probability of passing a music exam is 0.7. Diana and Dev both sit the music exam. Complete the tree diagram and calculate the probability of each outcome. |  |  |  |
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| The probability of a biased coin landing on tails is 0.4. The coin is tossed twice. Complete the tree diagram and calculate the probability of each outcome. |  |  |  |
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| The probability of Abby being late for work is . Abby works Monday and Tuesday. Complete the tree diagram and calculate the probability of each outcome. |  |  |  |
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| The probability of stopping at traffic lights is . Jameela drives through two sets of traffic lights. Complete the tree diagram and calculate the probability of each outcome. |  |  |  |
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| **Fill in the Blanks** | **Tree Diagrams for Independent Events** |

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| **Question** | **Tree Diagram** | **Probability** | |
| Two students, Maria and Maysoon each sit their driving theory exam. Complete the tree diagram and calculate the probability of each outcome. | A diagram of a flowchart  AI-generated content may be incorrect. |  |  |
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| A biased coin is tossed once and then tossed again for a second time. Complete the tree diagram and calculate the probability of each outcome. | A diagram of a diagram  AI-generated content may be incorrect. |  |  |
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| A car travels through two sets of traffic lights. The probability of stopping at each set is the same. Complete the tree diagram and calculate the probability of each outcome. |  |  |  |
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| There are 12 red or blue balls in a box. There are more blue balls than red balls. A ball is removed at random, the colour recorded, then replaced. A second ball is then removed. Complete the tree diagram and probabilities. |  |  |  |
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