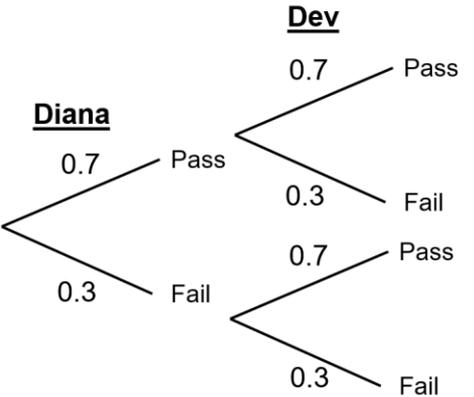
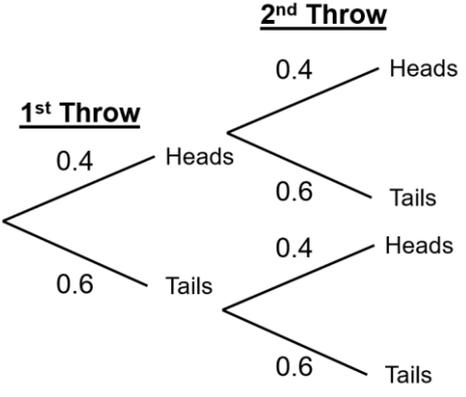
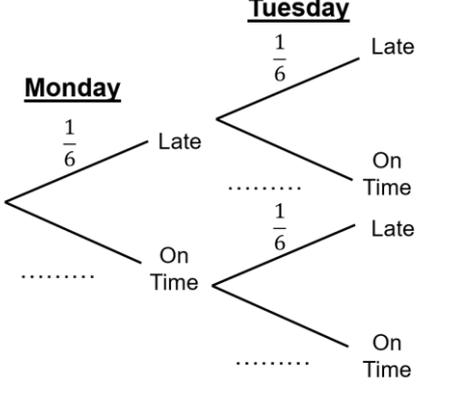


# Fill in the Blanks

# Tree Diagrams for Independent Events

Question	Tree Diagram	Probability	
<p>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.</p>		$P(PP) = 0.7 \times 0.7 =$	0.49
		$P(PF) = 0.7 \times 0.3 =$	
		$P(FP) = 0.3 \times 0.7 =$	
		$P(FF) = 0.3 \times 0.3 =$	
<p>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.</p>		$P(HH) = 0.4 \times 0.4 =$	
		$P(HT) = \quad \times \quad =$	
		$P(TH) = \quad \times \quad =$	
		$P(TT) = \quad \times \quad =$	
<p>The probability of Abby being late for work is <math>\frac{1}{6}</math>. Abby works Monday and Tuesday. Complete the tree diagram and calculate the probability of each outcome.</p>		$P(LL) = \quad \times \quad =$	
		$P(LO) = \quad \times \quad =$	
		$P(OL) = \quad \times \quad =$	
		$P(OO) = \quad \times \quad =$	
<p>The probability of stopping at traffic lights is <math>\frac{3}{8}</math>. Jameela drives through two sets of traffic lights. Complete the tree diagram and calculate the probability of each outcome.</p>	