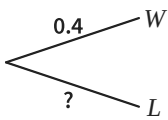
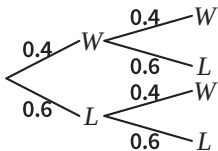
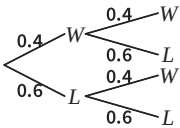
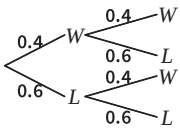
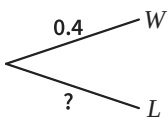
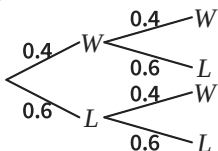
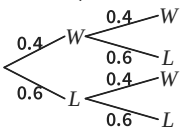
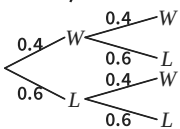


Tree Diagrams and Combined Events *ramp up*

a A and B are independent. $P(A) = 0.3$, $P(B) = 0.5$. Find $P(A \text{ and } B)$. 	b A spinner is spun once. $P(\text{red}) = 0.3$, $P(\text{blue}) = 0.5$. Find $P(\text{red or blue})$. 	c Find $P(L)$  	d Find $P(W, W)$ 
e Find $P(\text{one of each})$  	f Find $P(\text{at least one } W)$  	g A bag has 3 red and 5 blue counters. A red is taken out. Find $P(\text{red next})$. 	h A bag has 3 red, 5 blue counters. Take two, not replaced. Find $P(\text{both red})$.
i A bag has 3 red, 5 blue counters. Take two, not replaced. Find $P(\text{same colour})$. 	j A fair coin is flipped 3 times. Find $P(3 \text{ heads})$. 	k A fair coin is flipped 3 times. Find $P(\text{at least one head})$. 	l Independent events: $P(A) = 0.4$, $P(A \text{ and } B) = 0.12$. Find $P(B)$.

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