

Conditional probability: two way tables

Exit ticket Name _____

1		Bus	Walk	Total	
	Adult	12	33	45	Find the probability that a person took the bus, given that they are a child.
	Child	18	17	35	
	Total	30	50	80	

2 Find the probability that a person is a child, given that they took the bus.

3 Given that a person is an adult, Dev says the probability they took the bus is $\frac{12}{30}$.
Is Dev right? Explain.

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