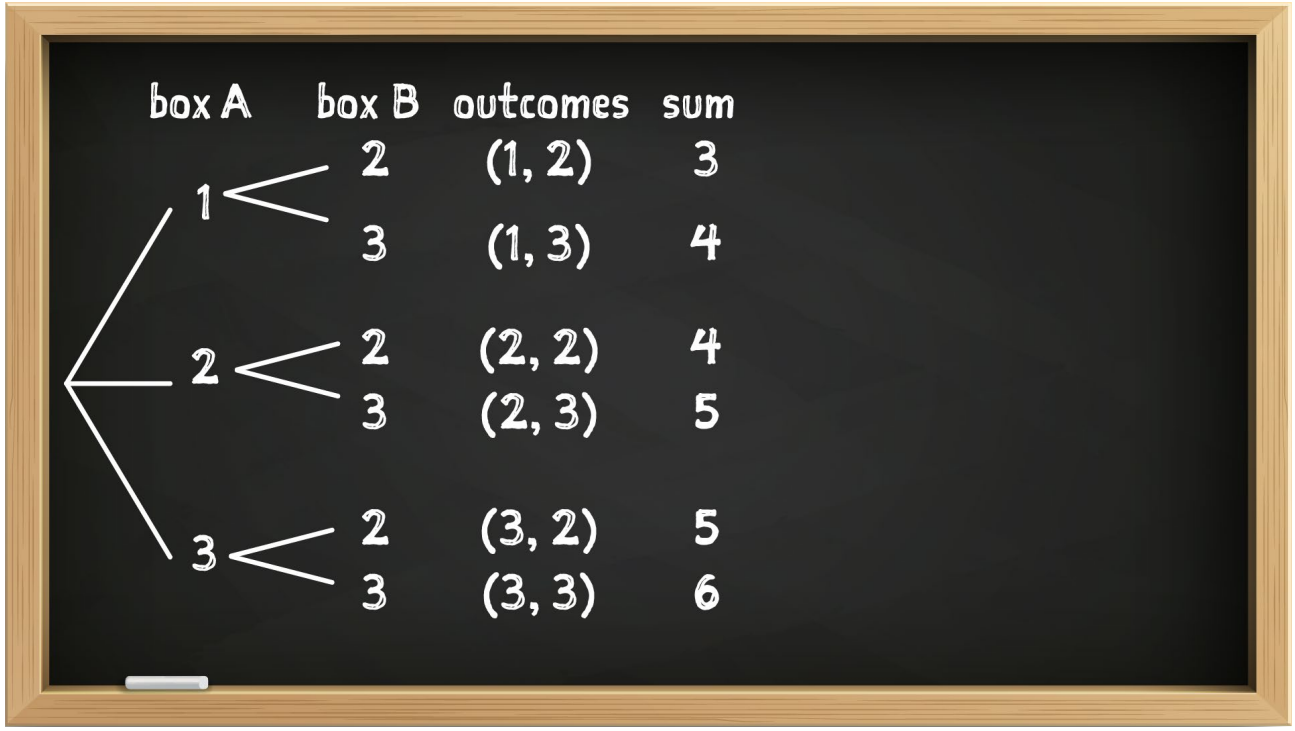
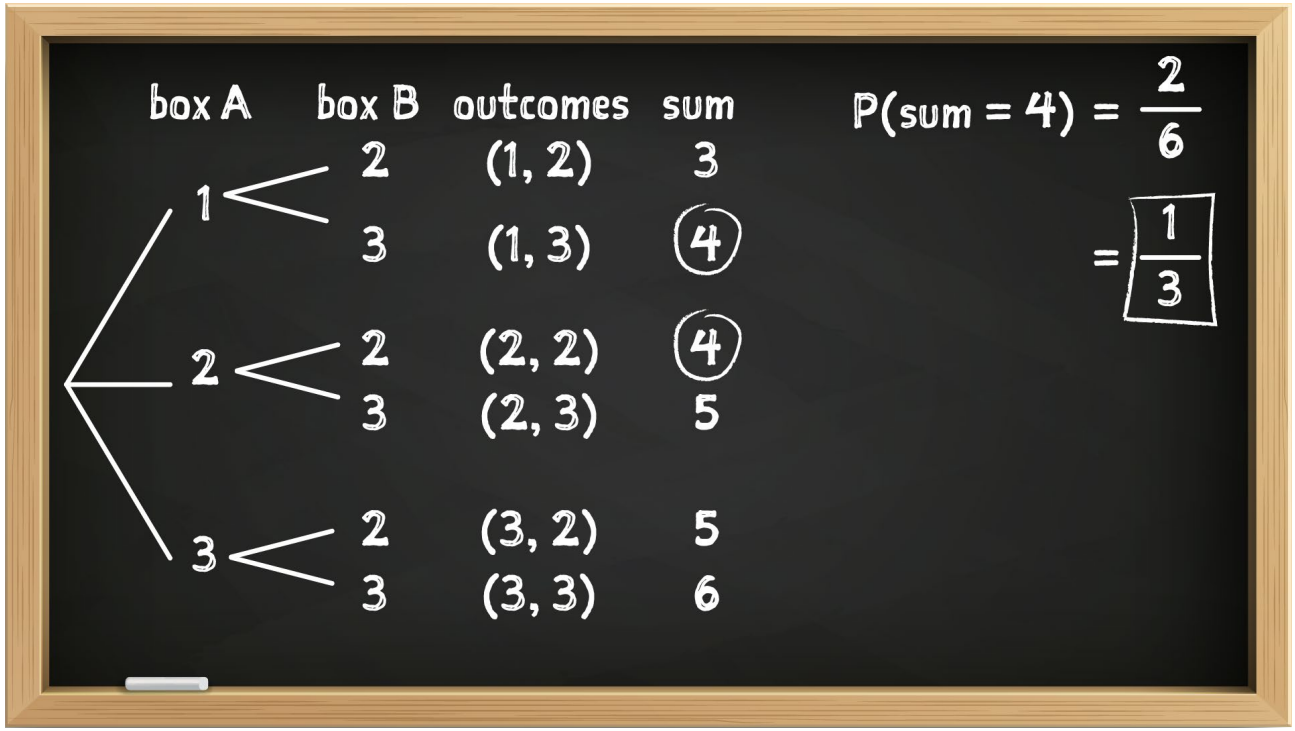
Maths in Action: Solution to Problem 2

Transcript	*Working*
Let's start by drawing the tree diagram. First, we'll write the possibilities for box A: one, two, or three. Then from each of these we'll write the possibilities for box B: a two or a three each time. This gives us the following outcomes. Next, we find the sum of each outcome: three, four, four, five, five and six.	

Transcript	*Working*
So, the probability that the sum of the numbers on the cards will equal four is two in six, or a third. The probability that the sum of the numbers is greater than four is three in six, or half.	

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The probability that the sum of the numbers is greater than four is three in six, or half.