LOTTERY

Karl is thinking of holding a mini lottery to raise money.

I will sell tickets like this for $1 each.

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1  2  3
4  5  6
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Each player must put a cross through 2 numbers on the ticket and hand it in. At the end of the week I will draw out two balls from a bag.

Every player who has chosen the same two numbers as shown on the balls will win a cash prize of $10.

1. How many ways are there of choosing two different numbers on the ticket? Show all your working.

2. Will the lottery be a good money raiser? Describe your reasoning.