The Probability of Winning in Roulette

Bets	Payout	Probability (State the percentage and explain)
Even	1 to 1	$\dfrac{18}{38} = 47.37\%$ There are 18 even numbers and 38 possibilities
Odd		
Black		
Red		
1-18		
19-36		
1-12		
13-24		
25-36		
Single Number		
Combination of two numbers		
Combo of three numbers		
Combo of four numbers		
Combo of six numbers		
Combination of 1, 2, 3, 0, 00		

Playing Roulette   Get a CALCULATOR   State the amount won or lost in the following game scenarios.

1. You bet $20 on Even. The ball lands on 8.

2. You bet $20 on Red. The ball lands on 17.

3. You bet $50 on 1-18. The ball lands on 11.

4. You bet $40 on 13-24. The ball lands on 20.

5. You bet $100 on 31. The ball lands on 31.

6. You bet $5 on the combination of 14 and 15. The ball lands on 14.

7. You bet $10 on the combination of 25, 26, and 27. The ball lands on 26.

8. You bet $20 on the combination of 31, 32, 34, and 35. The ball lands on 35.

9. You bet $20 on Odd and $20 on Red. The ball lands on 29.

10. You bet $50 on 25-36 and $50 on Black. The ball lands on 33.