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1  
9 different shirts  
2 pair of pants  
4 pair of shoes

$$\text{Total pair of outfits} = 9 \times 2 \times 4 = 72 \text{ outfits}$$

2  
No. of ways of picking 5 numbers from 35 different no. =  $\frac{35}{5} = 7$

$$P(\text{winning lottery in } 35/5 \text{ lottery}) = \frac{1}{7}$$

There are 7 different sets.