1. P(A)= 3/10 P(B)= 3/5 P(AuB)= 18/25 P(AnB) ?
2. P(A)= 1/8 P(AuB)= 13/25 P(AnB)= 2/25 P(B)=?
3. P(A)= 8/40 P(B)= 12/400 P(A and B)=? Independent or Dependent?
4. P(A)= 2/5 P(B)= 3/5 P(A and B)=? Independent or Dependent?
5. What are the possible outcomes for hitting a bowling pin?
6. **A bag contains 5 yellow marbles and 7 red marbles. You randomly pick a second marble without returning the marbles back to the bag.**
7. What is the probability both marbles are yellow?

**A game at the fair has a square target with a radius of 4cm and a circle board measuring 24cm on a side. Players win a prize if they throw a dart and hit square area only.**

1. List all possible outcomes for a player throwing a part.
2. What are the possible outcomes if a player was throwing two darts?
3. What is the probability of throwing 1 dart and winning?
4. What is the difference between independent and dependent events?
5. What is the fraction of the areas that have a black dot in them? Simple.
6. You roll a pair of six-sided dices twice. The first roll shows a 5 and the second rolls a 6.
7. What is the factorial of 5?
8. A coin is tossed and a die with numbers 1-6 is rolled. What is P (Heads and 3)?
9. 4P2
10. 5!
11. 7C3