

The background is a light gray gradient. In the top-left and bottom-right corners, there are several realistic water droplets of varying sizes. A faint, circular fingerprint pattern is visible in the upper-middle section of the background.

PROBABILITY

The image features a light gray background with a subtle gradient. In the top-left and bottom-right corners, there are several realistic-looking water droplets of various sizes, rendered with soft shadows and highlights to give them a three-dimensional appearance. The text is centered in the middle of the frame.

1) In a simultaneous toss of 2 coins, then find the probability of getting 2 tails?



2) Three coins are tossed. Find the probability of getting exactly two heads?

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3) 3 coins are tossed. Find the probability of getting at least 2 tails?



4) 3 coins are tossed. Find the probability of getting atmost 2 heads?



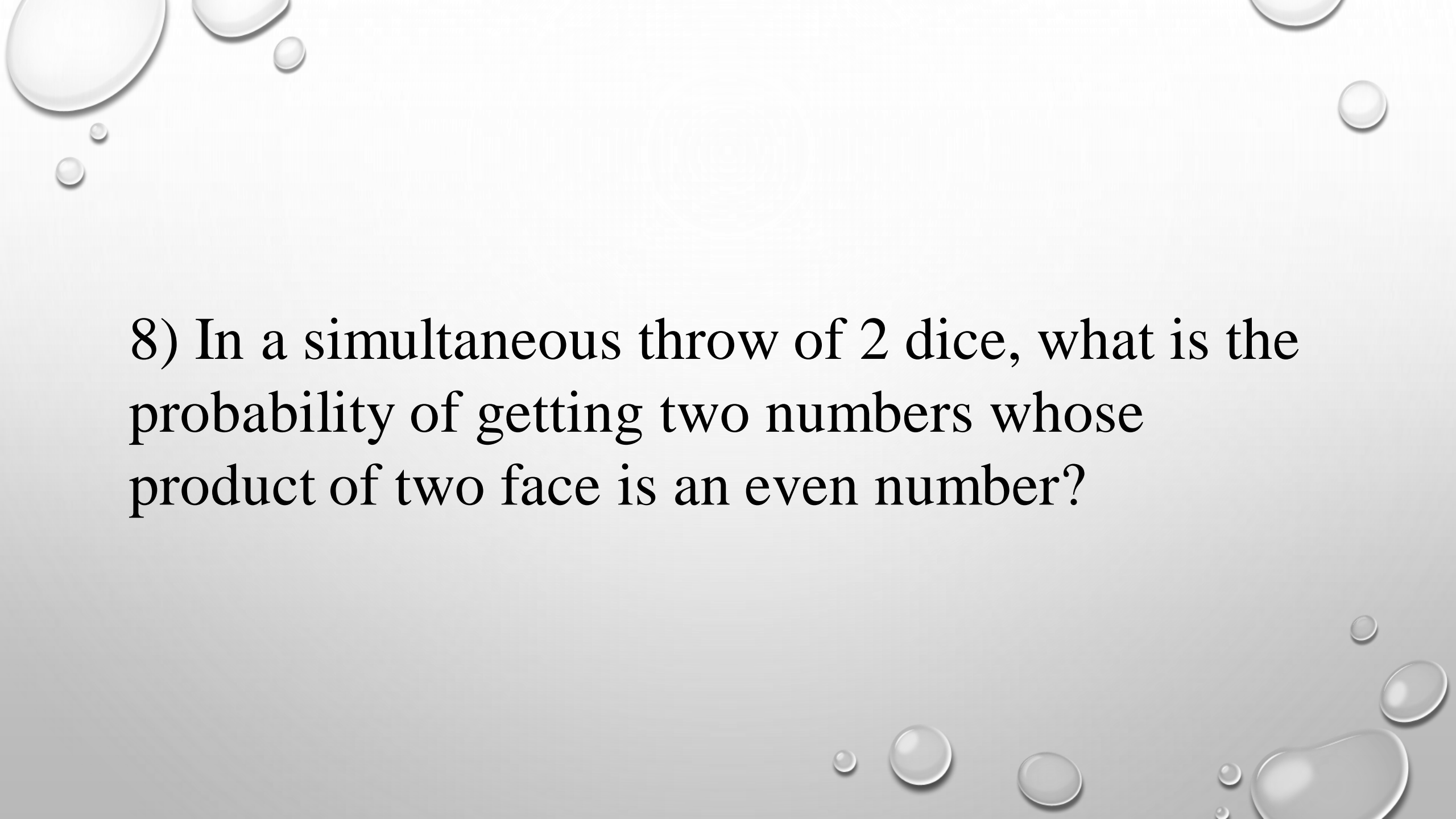
5) In a single throw of 2 dice, find the probability of getting a total of 11?



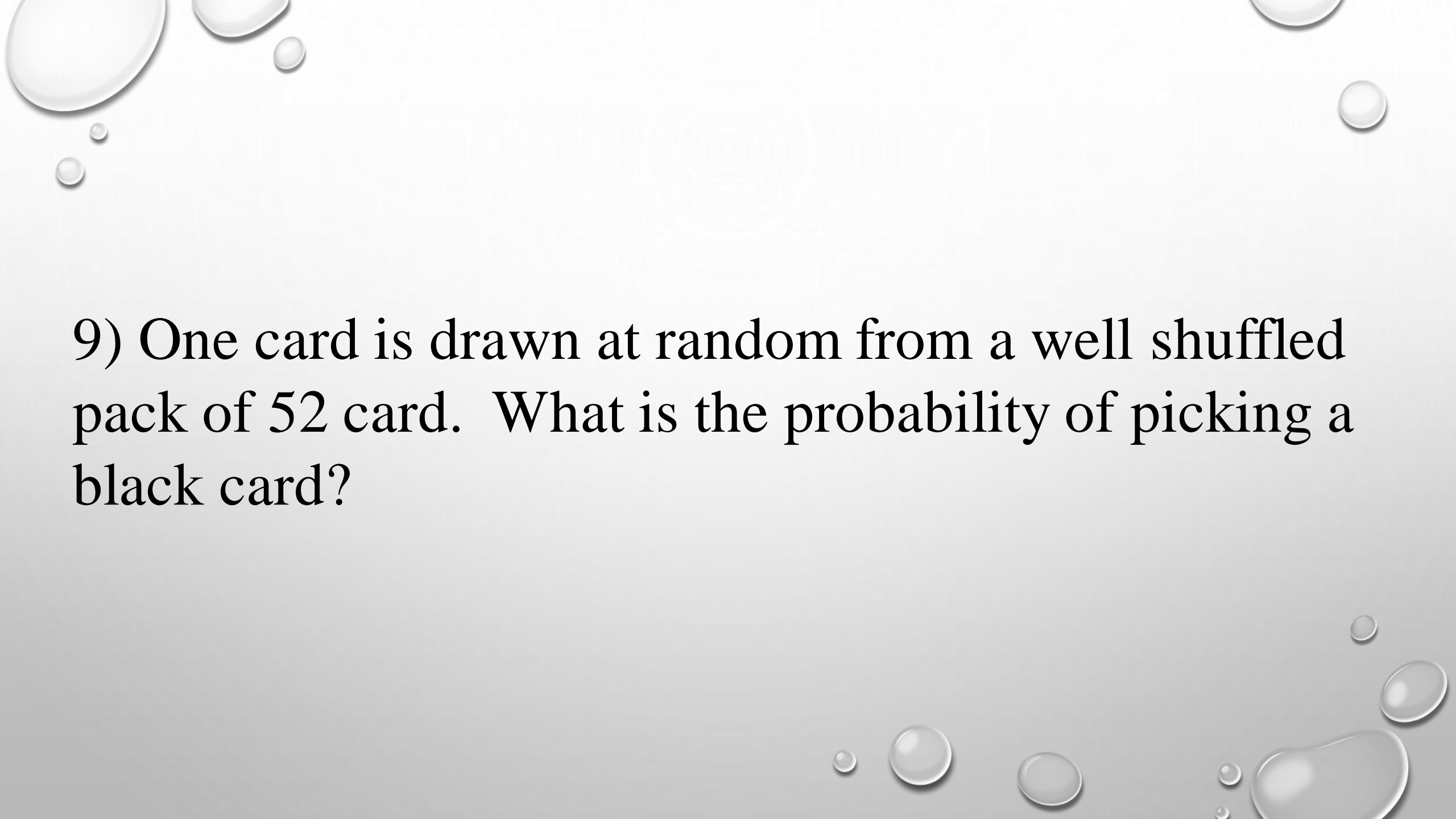
6) 2 dice are thrown, then find the probability of getting the sum of the two face is 10 or 11?

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7) 2 dice are thrown, then find the probability of getting a doublet?



8) In a simultaneous throw of 2 dice, what is the probability of getting two numbers whose product of two face is an even number?



9) One card is drawn at random from a well shuffled pack of 52 card. What is the probability of picking a black card?

10) One card is drawn at random from a pack of 52 cards. What is the probability of picking a King of spade or Jack of diamond?

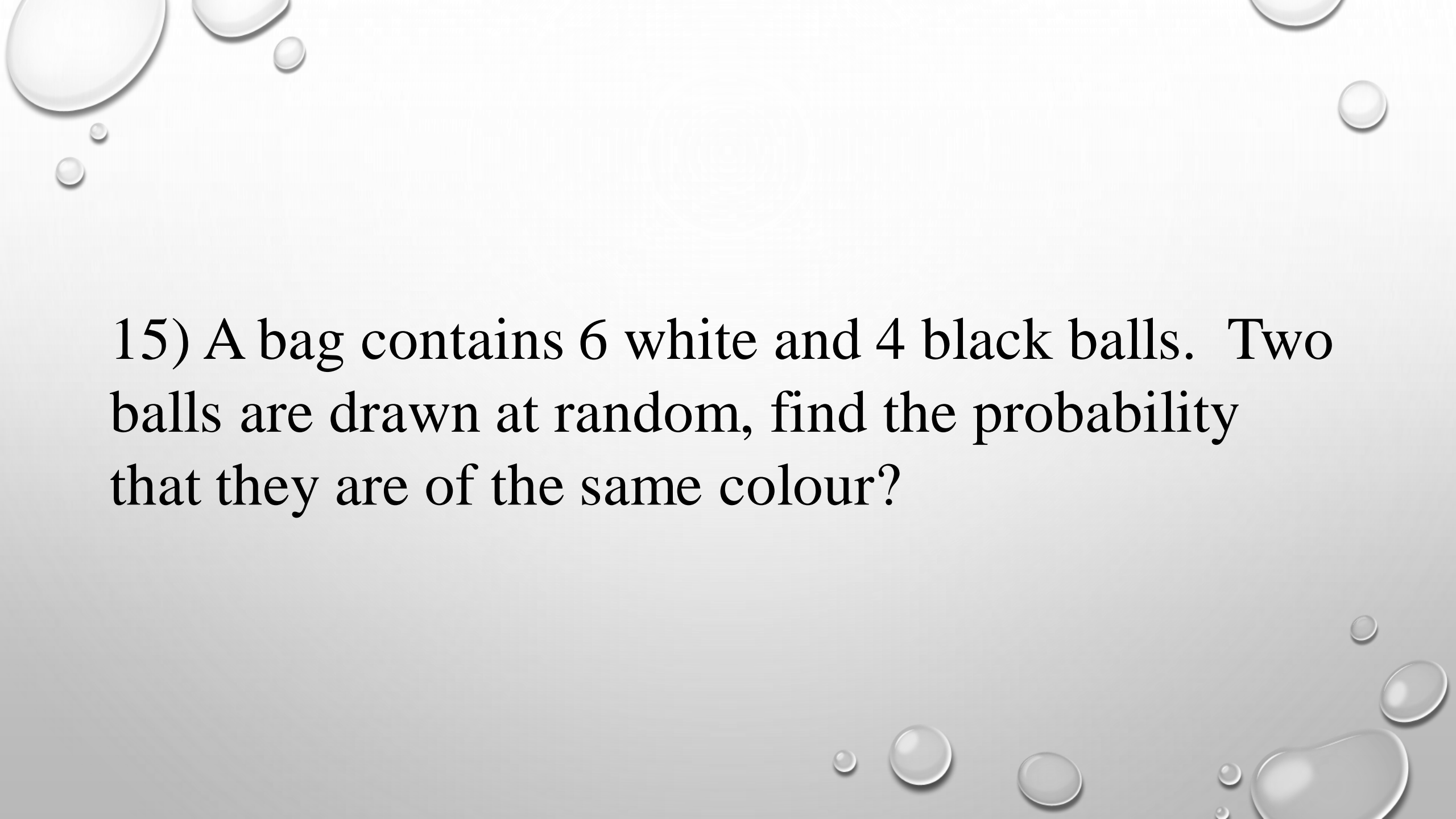
11) One card is drawn at random from a pack of 52 cards. What is the probability that the card is either a king or a spade?



12) Two cards are drawn from a pack of 52 cards.
The probability that one is a spade and one is a heart, is

13) Two cards are drawn from a pack of 52 cards. The probability that either both are red or both are kings, is :

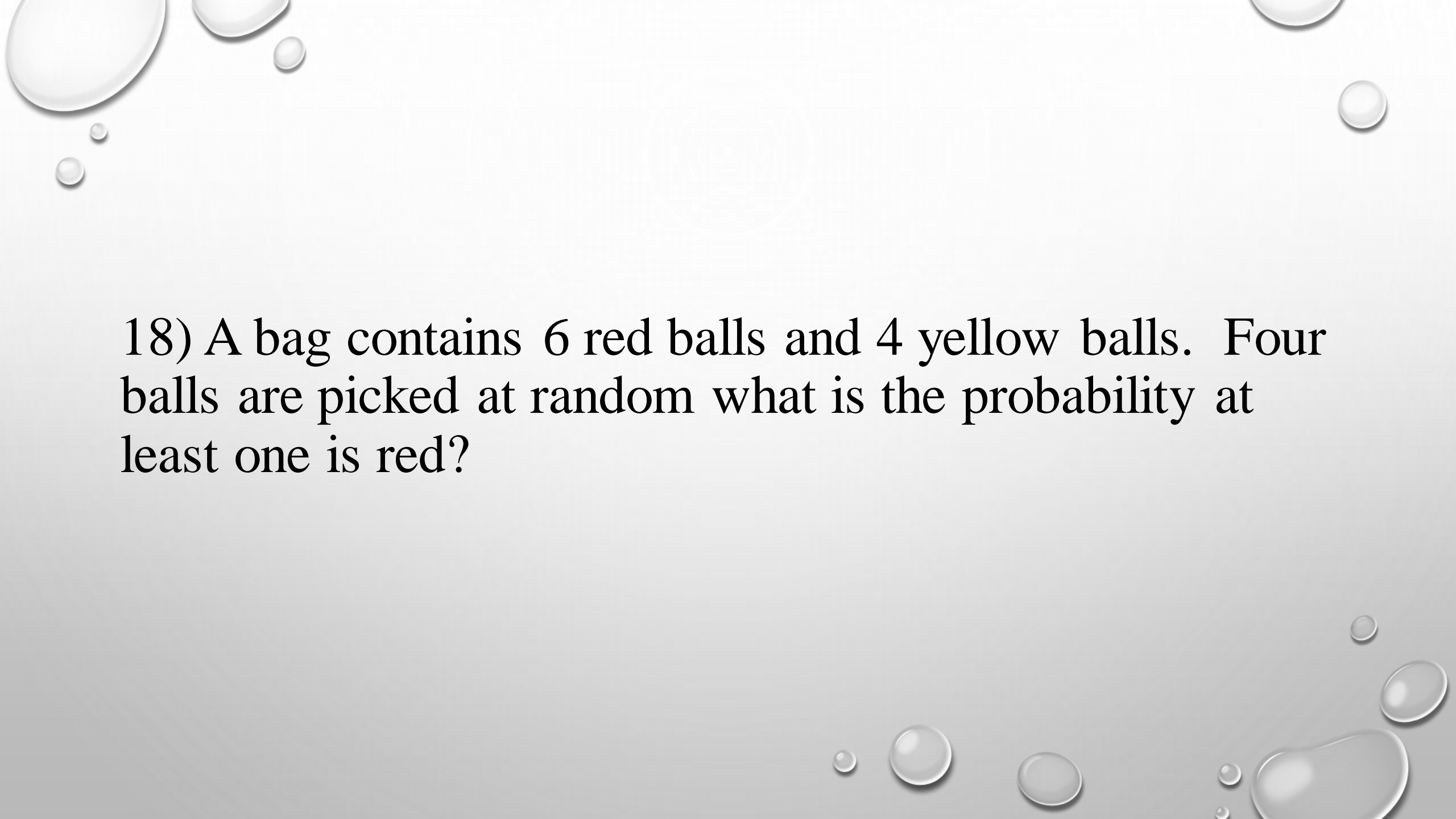
14) A bag contains 6 red balls and 4 yellow balls. Three balls are picked at random, what is the probability that 1 is red?



15) A bag contains 6 white and 4 black balls. Two balls are drawn at random, find the probability that they are of the same colour?

16) A bag contains 6 red balls, 4 yellow balls and 2 green balls. Four balls are picked at random, what is the probability that two are red, one is yellow and one is green?

17) A bag contains 6 red balls and 4 yellow balls. Three balls are picked at random which is the probability of at most 2 are red?



18) A bag contains 6 red balls and 4 yellow balls. Four balls are picked at random what is the probability at least one is red?

19) In a class, there are 15 boys and 10 girls. Three students are selected at random. The probability that 1 girl and 2 boys are selected, is :

20) A bag contains 6 red balls and 4 yellow balls and 2 green balls. Three balls are picked at random what is the probability that at least one is red:

21) A bag contains 6 red balls and 4 yellow balls and 2 green balls. Three balls are picked at random. What is the probability that at most two are yellow?

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Thank you