WORKSHEET

Probability

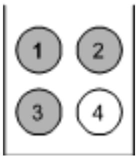
Time:
1 day (50 min).

Instructions for students: Answer the following questions.

1. An urn contains 17 yellow balls, 15 green balls and 23 blue balls. If you take a random ball, calculate the probability of:
   a. Taking a green ball
   b. Taking a not blue ball

2. Two dices are rolled. Calculate the probability of:
   a. The same number appears on both dice, and this one is even.
   b. Both numbers are less than 5.

3. Throw a coin and take a ball from this urn:



   a. What is the sample space?
   b. Calculate the probability of get a grey ball and reverse?

4. In a club there are 100 members:

	MEN	WOMEN
GOLF PLAYERS	46	14
NO GOLF PLAYERS	12	28

Take a random member and calculate the probability of:
   a. Being a woman.

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b. Being a golf player.
c. Being both a woman and a golf player.

5. An urn contains 100 numbered balls (0 to 99). Take one and calculate the probability of:
  a. The number is less than 10.
  b. The number is greater than 90.

□□□□ □□□□□□□, □=*1,2,3,5,8*. Calculate:
□□
  □□*)*□
  □□ □
  (□□□*)*
  □□□□□□
  □□□□□

7. How many different words can be formed with the letters of the word without AGAPE repeating any words?

8. Throw a coin and take a random ball from a urn that contains 2 red balls, 3 white balls y 5 green balls. Draw a tree diagram to calculate the probability of:
  a. Reveringe and red ball.
  b. Obverse and green ball.
  c. Reverse and white ball.

9. Take a random ball from a bag, see its color, return the ball to the bag and take one again. The bag has 5 white balls and 10 black balls. Calculate the probability of:
  a. Both balls are white.
  b. Both balls are black.
  c. The first ball is white and the second one is black.
  d. The first ball is black and the second one is white.
  e. One of them is black and the other one is white.

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