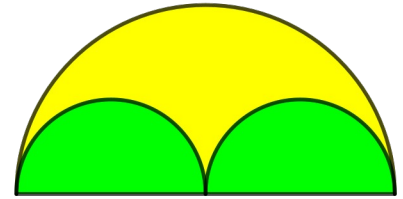


ONLINE MATHS CLASS - X – 31 (03 / 09 / 2021)

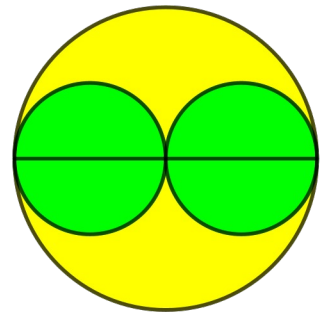
3 . MATHEMATICS OF CHANCE - CLASS - 4 WORKSHEET

1. In the figure two small semicircles are drawn with the radius of the larger semicircle as the diameter . Put a dot in this figure without looking .



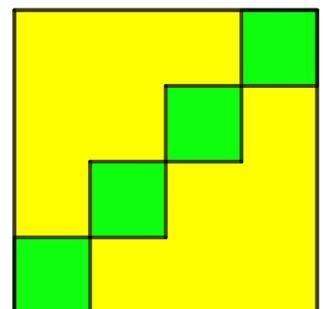
- If the radius of the smaller semi circle is r , What is the radius of the larger semicircle ?
- What is the probability that the dot would be within the green portion ?
- What is the probability that the dot would be within the yellow portion ?

2. In the figure , two small circles are drawn with radius of the larger circle as diameter . Put a dot in this figure without looking .



- If the radius of the smaller circle is r , What is the radius of the larger circle ?
- What is the probability that the dot would be within the green portion ?
- What is the probability that the dot would be within the yellow portion ?

3. In the figure small squares of equal size are drawn in the larger square . Put a dot in this figure without looking .



- How many squares with the same size as that of the small green square can be cut from the larger square ?
- What is the probability that the dot would be within the green portion ?
- What is the probability that the dot would be within the yellow portion ?

4. Two boxes contain paper slips .On each paper slip a number is written . The numbers on the paper slips of each box is given in the table . Complete the table .

Box 1	Box 2	Possible pairs of numbers	Number of paper slips in the first box	Number of paper slips in the second box	Total number of possible pairs of numbers
1 , 2 , 3	1, 2	(1 , 1) , (1 , 2) (2 , 1) , (2 , 2) (3 , 1) , (3 , 2)	2	3	6
1	1, 2				
1, 2,	1, 2				
1 , 2 , 3 ,	1 , 2 , 3 , 4				
1, 2, 3, 4, 5	1, 2				

5. Manu has three shirts , yellow, red and black . Also he has two pants , red and black .

- In what all different ways can he wear them ?
- What is the probability of his wearing the shirt and the pants of the same colour ?
- What is the probability of his wearing the shirt and the pants of different colours ?