

Data Handling

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1) A box contains 600 screws, one-tenth are rusted. One screw is taken out at random from this box. Find the probability that it is a good screw.

2) All the face cards of spades are removed from a well-shuffled pack of 52 cards.

A card is then drawn at random from the remaining pack. Find the probability of getting

i) a black face card

ii) a queen

iii) a black card

iv) a heart

v) a spade

vi) '9' of black colour.

3. The daily wages of 20 workers are given.

Salary (in ₹)	60	80	100	150	200
No. of workers	4	2	2	8	4

Draw a pie chart for this information.

4) From a pack of 52 cards, a black jack, a red queen and two black kings fell down. A card was then drawn from the remaining pack at random. Find the probability that the card drawn is

i) a black card

ii) a king

iii) a red queen.

5) Two different dice are thrown at the same time. Find the probability of getting

- i) a doublet
- ii) a sum of 8
- iii) sum divisible by 5
- iv) sum at least 11.

6) A bag contains 6 red balls and some blue balls. If the probability of drawing a blue ball is twice that of a red ball, find the number of balls in the bag.

7) A bag contains 15 balls of which some are white and others are red. If the probability of drawing a red ball is twice that of a white ball, find the number of white balls in the bag.

100	120	100	80	60	40
1	2	3	4	5	6