Shortcut Workshop

Challenge can you solve these questions without pen!

Simple Interest

1. Find the Simple Interest when 40,000 is invested at the rate of 10% for the period of 3 years? Level I
(a) 3,000   (b) 10,000
(c) 15,000   (d) 12,000

2. Find the Simple Interest when 10,000 is invested at the rate of 20% for the period of 2 years? Level I
(a) 3,000   (b) 4,000
(c) 6,000   (d) 2,000

3. Find the Simple Interest when 10,000 is invested at the rate of 15% for the period of 4 years? Level I
(a) 3,000   (b) 10,000
(c) 6,000   (d) 2,000

4. How much should be the rate of interest to get 6,000 as interest on investing 10,000 for 3 years.
(a) 10%   (b) 15%
(c) 20%   (d) 25%

5. How much should be the rate of interest to get 5,000 as interest on investing 10,000 for 5 years.
(a) 10%   (b) 15%
(c) 20%   (d) 25%

6. How much should be the rate of interest to get 5,000 as interest on investing 10,000 for 5 years.
(a) 10%   (b) 15%
(c) 20%   (d) 25%
Level II
7. Find the difference in interest when 30,000 @10% is invested for 54 years and 52 years.
(a) 3,000   (b) 6,000
(c) 15,000   (d) 12,000

8. Find the total interest when 10,000 invested in parts. 4,000 invested at 15% and 6,000 at 10% for 2 years.
(a) 3,000   (b) 6,000
(c) 15,000   (d) 12,000
Level III
9. Find the interest when 30,000 is invested at 10% per month for the period of 3 months.
(a) 3,000   (b) 6,000
(c) 9,000   (d) 12,000

10. Find the investment scheme which will offer 2,400/- interest at 10% rate.
(a) 3,000 for 3 yrs   (b) 6,000 for 2 yrs
(c) 9,000 for 1 yr   (d) 12,000 for 2 yrs

Probability

A bag contains 25 balls, 10 balls are red, 10 are green and remaining 5 are blue colour.

1. Find the probability of a randomly selected ball from the bag is red colour? Level I
(a) 3/5   (b) 10/25
(c) 11/25   (d) 6/25

2. Find the probability of a randomly selected ball from the bag is green or blue colour? Level I
(a) 3/5   (b) 2/5
(c) 11/25   (d) 6/25

3. Find the probability of a randomly selected ball from the bag is a non blue color? Level I
(a) 3/5   (b) 2/5
(c) 20/25   (d) 6/25

4. Find the probability that 2 selected balls from the bag, first one red and second is green in colour? Level II
(a) 10/25 x 5/24   (b) 10/25 x 10/24
(c) 11/25 x 10/24   (d) 5/25 x 5/24

5. Find the probability that 2 selected balls from the bag, both are green in colour? Level II
(a) 10/25 x 5/24   (b) 10/25 x 9/24
(c) 11/25 x 10/24   (d) 5/25 x 9/24

6. Find the probability that 2 selected balls from the bag, none of them is blue in colour? Level II
(a) 10/25 x 5/24   (b) 20/25 x 19/24
(c) 11/25 x 10/24   (d) 5/25 x 20/24

7. Find the probability that 3 selected balls from the bag, first one red, second is red and third is green? CAT XAT Level III
(a) 10/25 x 10/24 x 10/23
(b) 10/25 x 9/24 x 8/23
(c) 10/25 x 9/24 x 10/23
(d) 10/25 x 10/24 x 10/23

8. Find the probability that 4 selected balls from the bag, first two are red and rest two are non red? – CAT XAT Level III
(a) 10/25 x 10/24 x 10/23 x 10/22
(b) 10/25 x 9/24 x 8/23 x 7/22
(c) 10/25 x 9/24 x 15/23 x 14/22
(d) 10/25 x 10/24 x 15/23 x 15/22