

## PERCENTAGE

1. An amount is divided among A and B such that A gets 20% of total amount more than B. In what ratio is the amount divided?  
(1) 4:1  
(2) 1:4  
(3) 2:3  
(4) 3:2  
(5) 1:5

Ans (4)

2.  $28.57\% (56) + 55.55\% (36) + 37.5\% (88) = \text{----}$   
(1) 69  
(2) 67  
(3) 70  
(4) 52  
(5) 66

Ans (1)

3. In an election A and B are the only two contestants. A got 55% of the votes and won the election by a margin of 1000 votes. How many voters are there?  
(1) 5500  
(2) 4500  
(3) 10000  
(4) 5000  
(5) 12000

Ans (3)

4. Ram is standing in a queue. The number of persons standing in front of him is 60% of the number of persons standing behind him. How many people are there in the queue?  
(1) 60  
(2) 61  
(3) 89  
(4) 100  
(5) None of these

Ans (3)

5. There are 600 tennis players; 4% wear wrist band on one wrist. Of the remaining, 25% wear wrist bands on both hands. How many players don't wear a wrist band?  
(1) 430

- (2) 432
- (3) 576
- (4) 750
- (5) 435

Ans (2)

6. The ratio of Boys to Girls is 6:4. 60% of the boys and 40% of girls take lunch in the canteen. What percentage of the class takes lunch in the canteen?
- (1) Cannot be determined
  - (2) 50%
  - (3) 54%
  - (4) 52%
  - (5) 59%

Ans (4)

7. A batsman scored 90 runs in a match which included 3 fours and 3 sixes. How many runs he scored by running between the wickets?
- (1) 66.67%
  - (2) 33.33%
  - (3) 25%
  - (4) 75%
  - (5) 60%

Ans (1)

8. Ram, Lakshman, Bharath and Shatru have Rs 100 with them. Ram has 42.85% of what his other brothers have. What is the amount with Ram?
- (1) Rs 39
  - (2) Rs 10
  - (3) 15
  - (4) 20
  - (5) 30

Ans (5)

9. Amar and Bhavan are standing in a queue. Amar is in front of Bhavan. 8 people are in between them. 20% of the total people are in front of Amar and 30% are behind Bhavan. How many people are there in the queue?
- (1) 12
  - (2) 20
  - (3) 24

- (4) 10
- (5) 15

Ans (2)

10. What percent of numbers from 1 to 100 have 3 or 7 as unit digits?

- (1) 25%
- (2) 20%
- (3) 10%
- (4) 5%
- (5) 30%

Ans (2)

11. Last year, the number of seats in IT, EEE and ECE departments of a college were in the ratio 1:2:3. This year the seats in IT increased by 100%, in EEE by 50% and in ECE by 75%. What is the ratio of number of seats in IT, EEE and ECE departments this year?

- (1) 2:3:6
- (2) 4:6:7
- (3) 8:12:19
- (4) 8:12:21
- (5) 3:2:1

Ans (4)

12. If radius of a circle increases by 10% then by what percent area of the circle increases?

- (1) 20%
- (2) 22%
- (3) 25%
- (4) 19%
- (5) 21%

Ans (5)

13. Ram can finish a work in 5 days. If he works only for 4 days with 25% more efficiency, what percent of work is left out?

- (1) 25%
- (2) 20%
- (3) 0%
- (4) 10%
- (5) 15%

Ans (3)

14. Shyam had attended all questions in a paper which contains 80 questions. Four marks are given for a correct answer and 1 mark is deducted for every wrong answer. If his score in the exam is 0, what percent of the questions were correct?
- (1) 80%
  - (2) 25%
  - (3) 10%
  - (4) 20%
  - (5) 50%

Ans (4)

15. A man multiplied a number with 15 instead of 20. Find the percentage of correction.
- (1)  $33 \frac{1}{3} \%$
  - (2) 20 %
  - (3) 25%
  - (1) 10%
  - (2) 33

Ans (1)

16. Chandu spends 75% of his income. What percent of his expenditure he saves?
- Percent
- (1)  $33 \frac{1}{3} \%$
  - (2) 25 %
  - (3) 28%
  - (4) 15%
  - (5) 32%

Ans (1)

17. Fifty six apples are to be shared among A, B and C such that A gets 200% of what B has and B gets 100% more than what C has. Find the number of apples C get.
- (1) 10
  - (2) 18
  - (3) 8
  - (4) 19
  - (5) 20

Ans (3)

18. In a square A, the mid-points of the sides are joined to form a new square B. What percent of A's area is B's area?

- (1) 25%
- (2) 16 2/3%
- (3) 40%
- (4) 50%
- (5) 48%

Ans (4)

19. In a box, there are 30 cards numbered from 1 to 30. What is the minimum percentage of cards one has to pick so that he has at least one card which is a multiple of 5?

- (1) 80%
- (2) 85%
- (6) 83 1/3%
- (7) 75%
- (8) 78%

Ans (3)

20. If 11 coins are tossed simultaneously, what is the chance of getting more heads than tails?

- (1) Cannot be determined
- (2) 25%
- (3) 83 1/3%
- (4) 75%
- (5) 50%

Ans (5)

21. When a die is thrown, what is the chance of getting a prime number?

- (1) 66.67%
- (2) 60%
- (3) 40%
- (4) 50%
- (5) 75%

Ans (4)

22. What percent of an hour is a second? .027%

- (1) .00027%

- (2) .027%
- (3) 27%
- (4) 2.7%
- (5) None of these

Ans (2)

23. In a village, there are 1000 cows in the year 2000. In 2001, the population of cows increases by  $x\%$ . In the next year, the population decreases by  $y \%$  and population becomes 1000. What is the relation between  $x$  and  $y$ .

- (1)  $x < y$
- (2)  $x > y$
- (3)  $x = y$
- (4) None of these
- (5) Cannot say

Ans (2)

24. The volume of a sphere A is  $37/64$  % less than that of volume of another sphere B. By what percentage is the radius of A less than that of B

- (1) 20%
- (2) 10%
- (3) 5%
- (4) 50%
- (5) 25%

Ans (5)

25. If  $(x+y)/(x-y) = 4/3$  where  $x$  is not equal to zero, then what percentage of  $x+3y$  is  $x-3y$ ? Ans 40%

- (1) 40%
- (2) 50%
- (3) 25%
- (4) 20%
- (5) None of these

Ans (1)

26. In a theatre, the number of seats is increased by 20% and the price per ticket is increased by 10%. As a result, public response decreases by 30%. What is the net effect on the economy of the theatre? 7.6% loss

- (1) 10% loss
- (2) 7.6% profit

- (3) 7.6% loss
- (4) 10% profit
- (5) 20% profit

Ans (3)

27. A saves 20% of his income. In the next year, his income is increased by 20% and so he increases his expenditure by 30%. What is the percentage change in his savings?

- (1) 20% fall
- (2) 4% fall
- (3) 20% rise
- (4) 4% rise
- (5) 5% rise

Ans (1)

28. After receiving 2 successive raises, Harsh's salary became equal to  $15/8$  times of his initial salary. By what percentage was the salary raised the first time if the second raise was twice as much (in percent) as the first?

- (1) 15%
- (2) 20%
- (3) 25%
- (4) 30%
- (5) 10%

Ans (3)

29. There are two candles of equal lengths and different thicknesses. The thicker one lasts for six hours. The thinner one lasts 2 hours less than the thicker one. Ramesh lights the two candles at the same time. When he went to bed he saw the thicker one is 200% the length of the thinner one. How long ago did Ramesh light the two candles?

- (1) 3 hours
- (2) 4 hours
- (3) 1 hour
- (4) 2 hours
- (5) 5 hours

Ans 3 hours

30. In a box, there are 20 cards numbered from 1 to 20. Two cards are picked one by one from the box. Let the card numbers be  $a$  and  $b$ . What is the chance of getting  $a$  greater than  $b$ ? Ans 50%

- (1) 25%

- (2) 75%
- (3) 60%
- (4) 40%
- (5) 50%