

# NUMBER SYSTEM

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## Practice Problems with Solution

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Question 1: The largest number of 4 digit exactly divisible by 88?

A: 9988

B: 9944

C: 8888

D: 9768

Question 2: The least number to be added to 13851 to get a no. which is divisible by 87 is?

A: 18

B: 43

C: 54

D: 69

Question 3: The least number which must be added to 6709 to make it exactly divisible by 9 is?

A: 5

B: 4

C: 2

D: 7

Question 4: The smallest no. to be added to 803642 in order to obtain a multiple of 11 is?

- A: 1
- B: 9
- C: 4
- D: 7

Question 5: The least number which when divided by 4, 6, 8, 12 and 16 leaves a remainder of 2 in each case?

- A: 46
- B: 48
- C: 50
- D: 56

Question 6: Find the greatest 5 digit no. which when divided by 3, 5, 8, 12 have 2 as remainder?

- A: 9999
- B: 99958
- C: 99962
- D: 99950

Question 7: A, B and C start running at the same time and same point in same direction. A completes a round in 252 seconds, B in 308 seconds and C in 198 seconds. After what time will they meet again at starting points?

- A: 26min 18sec
- B: 42min 36 sec
- C: 45 min
- D: 46min 12 sec

Question 8: The greatest number which when subtracted from 5834, gives a number exactly divisible by each 20, 28, and 32 and 35 is?

- A: 1120
- B: 4714
- C: 5200
- D: 5600

Question 9: The traffic lights at three different road crossing change after 24 sec, 36 sec and 54 sec respectively .If they all change simultaneously at 10:15:00 AM , then what time will they again change simultaneously?

- A: 10:16:54 AM
- B: 10:18:36 AM
- C: 10:17:02 AM
- D: 10:22:12 AM

Question 10: The greatest number of four digits which when divided by 3,5,7,9 leave remainders 1,3,5,7 respectively is?

- A: 9763
- B: 9764
- C: 9766
- D: 9765

## Answers and Solutions

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**1:-** B, 9944

**2:-** D, 69

**3:-** B, 4

**4:-** C, 4

**5:-** C, 50

**6:-** C, 99962

**7:-** D, 46min 12 sec

**8:-** B, 4714

**9:-** B, 10:18:36 AM

**10:-** A, 9763

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