

# NUMBER SYSTEM

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## Practice Problems with Solution

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Question 1: The maximum number of students among whom 1001 pens and 910 pencils can be distributed in such a way that each student gets the same number of pens and same number of pencil is?

- A: 910
- B: 91
- C: 1001
- D: 1911

Question 2: The greatest number which when divide 989 and 1327 leave remainders 5 and 7 respectively?

- A: 8
- B: 16
- C: 24
- D: 32

Question 3: Let N be the greatest number that will divide 1305, 4665 and 6905 leaving the same remainder in each case. Then the sum of digits in N is?

- A: 5
- B: 6
- C: 7
- D: 4

Question 4: The product of 2 two digit number is 2160 and their HCF is 12. The numbers are?

A: 12, 60

B: 72, 30

C: 36, 60

D: 60, 72

Question 5: What is the least number of square tiles required to pave the floor of a room 15m 17cm long and 9m 2cm broad?

A: 840

B: 841

C: 820

D: 814

Question 6: In a school 391 boys and 323 girls have been divided into the largest possible equal classes, so that each class of boys numbers the same as each class of girls. What is the number of classes?

A: 23

B: 19

C: 44

D: 17

Question 7: HCF OF  $\frac{2}{3}$ ,  $\frac{4}{5}$  and  $\frac{6}{7}$ ?

A:  $\frac{48}{105}$

B:  $\frac{2}{105}$

C:  $\frac{1}{105}$

D:  $\frac{24}{105}$

Question 8: What is the HCF of  $2^3 \times 7^2$  and  $2^5 \times 3^1$  ?

A:  $2^3 \times 3$

B:  $2^3 \times 7^2 \times 3$

C:  $2^3$

D:  $3 \times 7^2$

Question 9: The LCM of two numbers is 864 and HCF is 144. If one of the number is 288, the other number is?

A: 576

B: 1296

C: 432

D: 144

Question 10: The LCM of two numbers is 4 times their HCF. The sum of LCM and HCF is 125. If one number is 100, then the other number is?

A: 5

B: 25

C: 125

D: 100

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## Answers and Solutions

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1:- B, 91

2:- C, 24

3:- D, 4

4:- C, 36, 60

5:- D, 814

6:- D, 17

7:- B,  $2/105$

8:- C,  $2^3$

9:- C, 432

10:- B, 25

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