

Q1. The sum of three consecutive natural numbers each divisible by 3 is 72. What is the largest among them?

- A) 27
- B) 25
- C) 30
- D) 26

Correct Answer: A

Q2. How many numbers between 1000 and 5000 are exactly divisible by 225?

- A) 12
- B) 15
- C) 18
- D) 20

Correct Answer: C

Q3. Two numbers differ by 5. If their product is 336, the sum of the two numbers is:

- A) 51
- B) 37
- C) 31
- D) 26

Correct Answer: B

Q4. When a number is divided by 56, the remainder obtained is 29. What will be the remainder when the number is divided by 8?

- A) 5
- B) 3
- C) 4
- D) 7

Correct Answer: A

Q5. The digits of a two-digit number are in the ratio of 2:3 and the number obtained by interchanging the digits is bigger than the original number by 27. What is the original number?

- A) 36
- B) 48
- C) 69
- D) 98

Correct Answer: C

Q6. What is the smallest number that must be added to 1032 to make it divisible by 6?

- A) 2
- B) 3
- C) 4
- D) 5

Correct Answer: A

Q7. Find the least number which when divided by 12, 15, and 20 leaves a remainder of 3 in each case.

- A) 43
- B) 63
- C) 83
- D) 53

Correct Answer: B

Q8. If a number leaves a remainder 1 when divided by 3, 4, and 5, what is the least such number?

- A) 61
- B) 121

C) 65

D) 85

Correct Answer: A

C) 0

D) 7

Correct Answer: C

Q9. The unit digit of the product  $237 \times 189 \times 543$  is:

A) 9

B) 3

C) 7

D) 1

Correct Answer: A

Q13. A number when divided by 13 leaves a remainder of 5. What is the remainder when twice that number is divided by 13?

A) 10

B) 3

C) 11

D) 4

Correct Answer: A

Q10. What is the greatest 3-digit number divisible by 24, 36, and 54?

A) 972

B) 984

C) 864

D) 888

Correct Answer: C

Q14. Which one of the following is not a prime number?

A) 191

B) 223

C) 221

D) 211

Correct Answer: C

Q11. How many 3-digit numbers are divisible by 11?

A) 81

B) 82

C) 90

D) 91

Correct Answer: A

Q15. What is the smallest number that is exactly divisible by 6, 8, 12 and 15?

A) 120

B) 240

C) 360

D) 180

Correct Answer: A

Q12. If 4A7 is divisible by 11, what is the value of A?

A) 4

B) 5

Q16. If the difference between a number and its square is 132, find the number.

A) 12

B) 11

C) 10

D) 9

Correct Answer: A

B) 8

C) 12

D) 2

Correct Answer: A

Q17. The sum of digits of a number is 18 and the number is divisible by 9. Which of the following could be the number?

A) 993

B) 909

C) 153

D) 893

Correct Answer: B

Q18. What is the remainder when  $4^7$  is divided by 5?

A) 1

B) 2

C) 3

D) 4

Correct Answer: D

Q19. A number has 3 digits. If the sum of its digits is 12 and it is divisible by 6, which of the following could be that number?

A) 258

B) 453

C) 624

D) 345

Correct Answer: C

Q20. What is the HCF of 96 and 404?

A) 4

Q21. What is the LCM of 18, 24, and 36?

A) 144

B) 72

C) 216

D) 108

Correct Answer: B

Q22. The product of two numbers is 1200. If their HCF is 10, what is their LCM?

A) 100

B) 120

C) 130

D) 125

Correct Answer: B

Q23. Which of the following is a co-prime pair?

A) 18 and 24

B) 12 and 35

C) 14 and 21

D) 15 and 30

Correct Answer: B

Q24. Find the smallest number which when divided by 5, 6 and 7 leaves a remainder 3 in each case.

A) 213

B) 219

C) 253

D) 203

Correct Answer: A

C) 4

D) 7

Correct Answer: B

Q25. The sum of two consecutive odd numbers is 56. What are the numbers?

A) 27 and 29

B) 25 and 31

C) 29 and 31

D) 27 and 31

Correct Answer: A

Q29. What is the total number of factors of 120?

A) 14

B) 15

C) 16

D) 12

Correct Answer: C

Q26. If a number is divisible by both 2 and 3, then it must be divisible by:

A) 5

B) 6

C) 8

D) 9

Correct Answer: B

Q30. Find the least number which when divided by 4, 6, and 9 leaves remainder 1 in each case.

A) 37

B) 109

C) 145

D) 181

Correct Answer: A

Q27. A number is divisible by 9 and ends in 2.

Which of the following can be the number?

A) 162

B) 262

C) 352

D) None of these

Correct Answer: A

Q28. What will be the sum of digits of the smallest 3-digit number divisible by 19?

A) 9

B) 6