# 16. Playing with Numbers

Question 1.
Which of the following is divisible by 12?
(a) 284382
(b) 624876
(c) 926248
(d) 746174

Answer: (b) 624876

Question 2.
By which of the following number 168 is divisible?
(a) 5
(b) 10
(c) 9
(d) 2

Answer: (d) 2

Question 3.
Write in the usual form: 100 × 7 + 10 × 1 + 8
(a) 871
(b) 718
(c) 178
(d) 781

Answer: (b) 718

Question 4.
Write in the usual form: 10×5 + 6
(a) 65
(b) 54
(c) 56
(d) 25

Answer: (c) 56

Question 5.
When is a number always divisible by 90?
(a) If it is divisible by both 2 and 45.
(b) If it is not divisible by both 5 and 18.
(c) If it is not divisible by both 9 and 10.
(d) If it is divisible by 3 and 20.

Answer: (a) If it is divisible by both 2 and 45.

**Question 6.**
What value should be given to ″ * ″ so that the number 653 * 47 is divisible by 11?
(a) 1
(b) 6
(c) 2
(d) 9

Answer: (a) 1

---

**Question 7.**
By which of the following number 9042 is not divisible? 2, 3, 6, and 9
(a) 2
(b) 3
(c) 9
(d) 6

Answer: (c) 9

---

**Question 8.**
Write in generalised form: 25
(a) 10 × 5 + 2
(b) 10 × 5 + 3
(c) 10 × 2 + 5
(d) 10 × 3 + 5

Answer: (c) 10 × 2 + 5

---

**Question 9.**
Which of the given numbers is composite?
(a) 137
(b) 147
(c) 157
(d) 167

Answer: (b) 147

---

**Question 10.**
The generalised form of the number 33 is
(a) 10 × 3 + 3
(b) 10 × 3
(c) 3 + 3
(d) 3 × 3 + 3

Answer: (a) 10 × 3 + 3

---

**Question 11.**
If a number is divisible by 9, it is also divisible by which number?
(a) 3
(b) 6

(c) 2
(d) 4

Answer: (a) 3

---

Question 12.
32 + m is a prime number. What is the least value of 'm'?
(a) 3
(b) 5
(c) 6
(d) 4

Answer: (b) 5

---

Question 13.
Which of the following is not prime?
(a) 107
(b) 127
(c) 153
(d) 197

Answer: (c) 153

---

Question 14.
Identify the missing digit in the number 234,4_6, if the number is divisible by 4.
(a) 2
(b) 6
(c) 4
(d) 5

Answer: (d) 5

---

Question 15.
By which of the following numbers is 477 not divisible?
(a) 3
(b) 7
(c) 53
(d) 9

Answer: (b) 7

---

Question 16.
N is a 5-digit number divisible by 5. If N is bigger than 10000 and smaller than 10010, what is the value of N?
(a) 10000
(b) 10010
(c) 10005
(d) 10001

Answer: (c) 10005

---

Question 17.
Write in generalised form: 85
(a) 10 × 5 + 8
(b) 10 × 8 + 5
(c) 10 × 5 + 3
(d) 10 × 3 + 5

Answer: (b) 10 × 8 + 5

---

Question 18.
Which of these numbers is divisible by 6?
(a) 5782
(b) 2666
(c) 6053
(d) 8964

Answer: (d) 8964

---

Question 19.
If the division N ÷ 5 leaves a remainder of 0, what might be the one's digit of N?
(a) 5
(b) Either 5 or 0
(c) 2
(d) 7

Answer: (b) Either 5 or 0

---

Question 20.
Which of the following statements is false?
(a) If a number is divisible by 8, it must be divisible by 4.
(b) If a number is divisible by both 9 and 10, it is divisible by 90.
(c) The sum of two consecutive odd numbers is always divisible by 4.
(d) If a number is not divisible by both 3 and 4, it is divisible by 12.

Answer: (d) If a number is not divisible by both 3 and 4, it is divisible by 12.