

## CHAPTER-5 | Prime Time

QUIZ  
PART-14

1. A number is divisible by 10 if it ends in:

- A. 5
- B. 0
- C. 2
- D. 8 (B)

**Explanation:** Any number ending in 0 is divisible by 10.

2. A number is divisible by 5 if it ends in:

- A. 0 or 5
- B. 2 or 4
- C. 1 or 3
- D. 6 or 8 (A)

**Explanation:** Numbers ending in 0 or 5 are divisible by 5.

3. A number is divisible by 2 if its last digit is:

- A. 1, 3, 5, 7, 9
- B. 0, 2, 4, 6, 8
- C. 5 or 0 only
- D. 2 or 5 only (B)

**Explanation:** Even numbers end in 0, 2, 4, 6, or 8, so they are divisible by 2.

4. A number is divisible by 4 if:

- A. its first digit is even
- B. its last digit is 0
- C. the number formed by its last two digits is divisible by 4
- D. the sum of digits is divisible by 4 (C)

**Explanation:** To check divisibility by 4, look only at the last two digits.

5. Which number is definitely divisible by 4?

- A. 156
- B. 157
- C. 158
- D. 159 (A)

**Explanation:** The last two digits are 56, and 56 is divisible by 4.

6. A number is divisible by 8 if:

- A. its last digit is even
- B. the number formed by its last three digits is divisible by 8
- C. it ends in 5 or 0
- D. the sum of digits is divisible by 8 (B)

**Explanation:** To check divisibility by 8, use the number formed by the last three digits.

7. Which of the following is divisible by 8?

- A. 250
- B. 256
- C. 258
- D. 262 (B)

**Explanation:**  $256 \div 8 = 32$ , so 256 is divisible by 8.

8. Numbers ending in "00" are always divisible by:

- A. 2 only
- B. 4
- C. 5 only
- D. 8 only (B)

**Explanation:** Any number ending in 00 has last two digits 00, which is divisible by 4.

9. Numbers ending in "000" are always divisible by:

- A. 4
- B. 5
- C. 8
- D. 10 only (C)

**Explanation:** Any number ending in 000 has last three digits 000, which is divisible by 8.

10. Which statement is correct about 432 and 550?

- A. Both are divisible by 8
- B. Only 432 is divisible by 8
- C. Only 550 is divisible by 8
- D. Neither is divisible by 2 (B)

**Explanation:** 432 is divisible by 8 because  $432 \div 8 = 54$ . 550 is not divisible by 8 because 550 is not a multiple of 8.