Prime Time Worksheet Class 6

Name: _____ Class/Sec: _____ Date: _____ Marks: 30

A. Choose the correct answer. (1 × 6 = 6)

1. Which is a prime number? (a) 21 (b) 29 (c) 35 (d) 39
2. The only even prime number is: (a) 0 (b) 1 (c) 2 (d) 4
3. Which number has exactly three factors? (a) 4 (b) 6 (c) 8 (d) 10
4. The greatest prime number less than 20 is: (a) 17 (b) 19 (c) 18 (d) 15
5. Which is divisible by 3? (a) 124 (b) 235 (c) 342 (d) 451
6. A number having more than two factors is called: (a) prime (b) composite (c) odd (d) co-prime

B. Fill in the blanks. (1 × 5 = 5)

7. The factors of 17 are _____ and _____.
8. 1 is neither a _____ nor a _____ number.
9. The first five prime numbers are _____.
10. The smallest composite number is _____.
11. A number divisible by both 2 and 5 must end in _____.

C. True or False. (1 × 4 = 4)

12. Every prime number has exactly two factors. _____
13. 2 is an odd prime number. _____
14. 15 is a factor of 45. _____
15. All odd numbers are prime. _____

D. Find and classify. (1 × 5 = 5)

16. Write all factors of 24. _____
17. Write all factors of 36. _____
18. Write the prime numbers between 10 and 30. _____
19. Classify as **prime/composite**: 31, 42, 47, 51, 57.
20. Write the first six multiples of 7. _____

E. Solve. (2 × 3 = 6)

21. Find the common factors of 18 and 24.

22. Find the prime factorisation of 60.

23. Using divisibility rules, check whether 2,475 is divisible by 3, 5 and 9.

F. Think & Answer. (2 × 2 = 4)

24. I am a number less than 50. I am prime and my digits add up to 10. Find me. _____

25. Riya says, “Every number ending in 5 is divisible by 5, so every such number is composite.” Is she correct? Give a reason and an example.

G.: Write two pairs of co-prime numbers. _____