Class 6 | Maths

QUIZ-01



CHAPTER-5 | Prime Time

1.	What number will be spoken instead of 15 in the
	'idli-vada' game?

A. idli B. vada

C. idli-vada D. 15 (C)

Explanation: 15 is a multiple of both 3 and 5, so players say "idli-vada".

2. Which of these is a common multiple of 3 and 5?

B. 10 A. 6

C. 15 D. 12 (C)

Explanation: 15 is the lowest number divisible by both 3 and 5.

3. What are the only factors of a prime number?

A. O and itself B. 1 and 0

C. 1 and itself D. 2 and itself (C)

Explanation: Prime numbers have exactly two

factors: 1 and the number itself.

4. What is the prime factorisation of 56?

 $A.2 \times 2 \times 14$

 $B.2 \times 2 \times 2 \times 7$

 $C.4 \times 14$

(B) $D.7 \times 8$

Explanation: $56 = 2 \times 2 \times 2 \times 7$ is its prime factorisation.

5. What is the only even prime number?

A. 0

B. 4

C. 2

D. 6

Explanation: 2 is the only even number that has exactly two factors.

6. Which of the following pairs is co-prime?

A. 20 and 30

B. 12 and 18

C. 4 and 9

D. 14 and 28

(C)

Explanation: 4 and 9 have no common factor other

than 1.

7. Which number has exactly three distinct prime factors?

A. 45

B. 60

C. 91

D. 105

(D)

Explanation: $105 = 3 \times 5 \times 7 -$ three distinct prime factors.

8. Which number is not divisible by 10?

A. 8560

B. 60

C. 125

D. 1000

(C)

Explanation: 125 does not end with 0, so it's not divisible by 10.

9. What is the rule for checking divisibility by 4?

A. Last digit is 0

B. Last two digits form a number divisible by 4

C. Sum of digits is divisible by 4

D. Number ends in 4

(B)

Explanation: If the number formed by last two digits is divisible by 4, then the number is divisible by 4.

10. What is the smallest perfect number mentioned in

the chapter?

A. 6

B. 10

C. 28

D. 12

(C)

Explanation: 28 has factors 1, 2, 4, 7, 14, and 28. Their

sum is $56 = 2 \times 28$.

(C)