

CLASS TEST

FM: $15 \times 1 = 15$

1. If CP = ₹600 and loss% = 10%, then SP = ?

- A. ₹580 B. ₹540 C. ₹620 D. ₹660

2. If the principal is doubled and the rate is halved, then the simple interest becomes:

- A. Half B. Same C. Double D. Four times

3. The SI on a certain sum for 5 years at 6% is ₹150. What is the principal?

- A. ₹400 B. ₹450 C. ₹500 D. ₹600

4. A quantity is increased by 10% and then decreased by 10%. The net change is:

- A. 0% B. 1% increase C. 1% decrease D. 2% decrease

5. If 18 is 30% of a number, the number is:

- A. 40 B. 50 C. 60 D. 70

6. A shape has rotational symmetry of order 4. The angle of rotation is:

- A. 45° B. 60° C. 90° D. 120°

7. Which alphabet has rotational symmetry but no line of symmetry?

- A. S B. H C. O D. T

8. Which of the following is a rational number?

- A. $\sqrt{3}$ B. π C. $5/7$ D. $\sqrt{5}$

9. Arrange in ascending order: $-3/4$, $-1/2$, $-2/3$

- A. $-1/2 < -2/3 < -3/4$ B. $-3/4 < -2/3 < -1/2$ C. $-2/3 < -3/4 < -1/2$ D. $-1/2 < -3/4 < -2/3$

10. The reciprocal of $-7/9$ is:

- A. $7/9$ B. $-9/7$ C. $9/7$ D. $-7/9$

11. Which of the following set of numbers is not the Pythagorean triplet?

- A. (3,4,5) B. (6,8,10) C. (7,24,25) D. (10,12,17)

12. In a triangle ABC, if $\angle A = 50^\circ$ and $\angle B = 70^\circ$, which side is the longest?

- A. Side opposite $\angle A$ B. Side opposite $\angle B$ C. Side opposite $\angle C$ D. All are equal

13. If two angles are complementary and one is 3 times the other, the smaller angle is:

- A. 15° B. 18° C. 22.5° D. 30°

14. Which of the following will make the product greater than the original number?

Multiplying by:

- A. $\frac{1}{4}$ B. $\frac{2}{3}$ C. $\frac{5}{2}$ D. $\frac{3}{5}$

15. A submarine is at -750 m. It rises 250 m and then descends 100 m. Its final position is:

- A. -600 m B. -700 m C. -650 m D. -550 m