

Class : 6Register
Number**SECOND TERM - SUMMATIVE ASSESSMENT(SA) - 2023 - 24**

Time Allowed : 2.00 Hours]

MATHEMATICS

[Max. Marks : 60

PART - I**I. Choose the correct Answer.**

10x1=10

1. The first even whole number is
 - a) 0
 - b) 1
 - c) $\frac{1}{2}$
 - d) 2
2. The difference between two successive odd number is
 - a) 1
 - b) 2
 - c) 3
 - d) 0
3. Which of the following pairs is co - prime?
 - a) 51,63
 - b) 52, 91
 - c) 71, 81
 - d) 81, 99
4. 9 m 4 cm is equal to -----
 - a) 94 cm
 - b) 904 cm
 - c) 9.4 cm
 - d) 0.94 cm
5. 7 km - 4200m is equal to -----
 - a) 3 km 800 m
 - b) 2 km 800 m
 - c) 3 km 200m
 - d) 2 km 200m
6. Number of ordinary years between two consecutive leap years is -----
 - a) 4 years
 - b) 2 years
 - c) 1 year
 - d) 3 years
7. $2\frac{1}{2}$ years is equal to ----- months.
 - a) 25
 - b) 30
 - c) 24
 - d) 5
8. Overhead expenses is always included in -----
 - a) S.P
 - b) C.P
 - c) Profit
 - d) Loss
9. There is no profit or loss when
 - a) C.P = S.P
 - b) C.P > S.P
 - c) C.P < S.P
 - d) M.P = Discount
10. An equilateral triangle is -----
 - a) An obtuse angled triangle
 - b) A right angled triangle
 - c) An acute angled triangle
 - d) A scalene triangle

II. Fill in the Blanks.

5x1=5

11. A ----- is a number that divides the given number exactly.
12. The HCF of two successive even numbers is -----
13. 150kg 200g + 55kg 750g = ----- kg ----- g.
14. Discount = M.P - -----
15. The sum of three angles of a triangle is -----

III. Match the following.

5x1=5

16. 450 ml x 5 - Right angled triangle
17. 9.55 - Scalene triangle
18. Loss - 2 l 250 ml
19. $90^\circ, 45^\circ, 45^\circ$ - 5 minutes to 10
20. No sides are equal - C.P - S.P

PART - II**IV. Answer any 10 of the following. Q.No.35 is compulsory.**

10x2=20

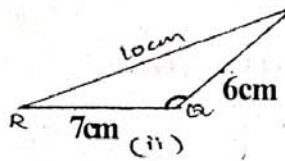
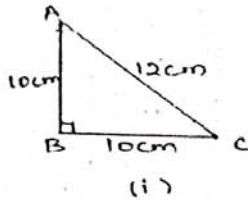
21. Write the smallest and the biggest two digit prime number.
22. Find the factorisation of the number 144 by factor tree method.
23. Find the HCF of the number 18 and 24 by division method.
24. A flag pole is 5m 35cm long. What is the length of the pole in cm?

CH/6/Mat/1

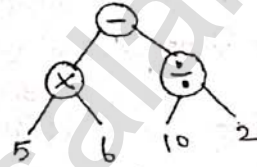
25. Change into 24 hour format.
 i) 3.15 a.m ii) 12:00 midnight
26. Find the duration between 6 a.m and 4 p.m.
27. A table is bought for ₹ 4500 and sold for ₹ 4800. Find the profit or loss.
28. Complete the following table.

S.no	C.P	S.P	Profit	Loss
(i)	100	120	?	-
(ii)	130	?	30	-

29. Find the third angle: 120° , 30°
30. Name the triangles based on it sides and angles.



31. Is a triangle possible with the angles 90° , 90° , and 0° ? Why?
32. A man buys a chair for ₹ 1500. He wants to sell it at a profit ₹ 250 after making a discount of ₹ 100 what is the M.P of the chair?
33. Convert into tree diagram. $(3 \times 5) - (4 \div 2)$
34. Covert tree diagram into numerical expression.
35. Convert 20 minutes into seconds.



PART - III

- V. Answer any five of the following questions. Q.No. 43 is compulsory. 5x3=15
36. Find the HCF and LCM of the numbers 154, 198 and 286.
37. The LCM of two numbers is 432 and their HCF is 36. If one of the numbers is 108, then find the other numbers.
38. Two pipes whose lengths are 7m 25cm and 8m 13cm joined by welding and then a small piece 60cm is cut from the whole. What is the remaining length of the pipe?
39. A fruit seller bought a dozen apples for ₹ 84. 2 apples got rotten. If he has to get a profit of ₹16, find the S.P each apple.
40. Mangai bought a cell phone for ₹ 12,585. If fell down. She spent ₹ 500 on its repair. She sold it for ₹ 7500. Find her profit or loss.
41. Complete the following table.

Type of Triangle/ It is angles	Acute angled triangle	Right angled triangle	Obtuse angled triangle
Any two angles	Always acute angles	(ii) ?	Always acute angles
Third angles	(i) ?	Right angle	(iii) ?

42. Convert the numerical expression into tree diagram. $[8+(5 \times 2)] - [(2 \times 3) + 5]$
43. Subtract 10 hours 20 minutes 35 second from 12 hours 18 minutes 40 seconds

PART - IV

- VI. Answer any One of the following. 1x5=5
44. a) Draw a line segment AB = 7cm and mark a point P on it draw a line perpendicular to the given line segment at P.
- (OR)
- b) Draw a line segment PQ=12cm. Mark two point M,N at a distance of 5cm above the line segment PQ. Through M and N draw a line parallel to PQ.