

HSL

SECOND TERM SUMMATIVE ASSESSMENT - 2025**6** - Std**MATHS**

--	--	--	--	--	--

Time : 2.00 Hrs.

MARKS: 60

I Choose the correct answer.

10 X 1 = 10

- The sum of factors of 27 is
a) 28 b) 37 c) 40 d) 31
- Which of the following pairs is co-prime?
a) 51, 63 b) 52, 91 c) 71, 81 d) 81, 99
- The greatest 4 digit number which is exactly divisible by 8,9 and 12 is
a) 9999 b) 9996 c) 9696 d) 9936
- 9m 4cm is equal to
a) 94 cm b) 904 cm c) 9.4 cm d) 0.94 cm
- Number of ordinary years between two consecutive leap years is
a) 4 years b) 2 years c) 1 year d) 3years
- What time will it be 5 hours after 22 : 35 hours?
a) 2 : 30 hours b) 3 : 35 hours c) 4 : 35 hours d) 5 : 35 hours
- 'Overhead expenses' is always included in
a) s.p b) c.p c) profit d) less
- Discount = M.P. -
- If two sides of a triangle are 5cm and 9cm, then the third side is
a) 5cm b) 3 cm d) 4 cm d) 14 cm
- 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.

6 X 1 = 6

- The numbers 29 and are twin primes.
- The HCF of two successive even numbers is
- 50 Kg ÷ 100g =
- 2 days = hours.
- is the price at which an item is sold.
- The sum of three angles of a triangle is

III True (or) False.

6 X 1 = 6

- If a number is divisible by 6, then it must be divisible by 3.
- The HCF of 17 and 18 is 1.
- Pugazhenthil ate 100g of nuts which is equal to 0.1 kg.

20. A year which is divisible by 4 is considered as a leap year.
21. The distance between a set of parallel lines always remains the same.
22. In an isosceles triangle three angles are equal.

IV Match the following.

$$5 \times 1 = 5$$

- | | | |
|---------------------------|---|----------------------|
| 23. Even prime number | - | equilateral triangle |
| 24. 5m 25 cm | - | 2 |
| 25. Profit | - | 525 cm |
| 26. 04 : 15 | - | S.P - C.P |
| 27. Three sides are equal | - | quarter past 4 |

V Answer any 5 of the following.

$$5 \times 2 = 10$$

28. Find the prime factorisation of 60 by factor tree method.
29. Find the LC on of 8 and 12.
30. Compare and put $>$ or $<$ or $=$ in the following.
 - i) $800 \text{ g} + 150 \text{ g}$ 1 kg .
 - ii) $600 \text{ ml} + 400 \text{ ml}$ 1 l .
31. Change the following into 24 hour format.
 - i) 12 : 00 noon ii) 12 : 00 midnight
32. Can triangle be formed with the angles 80° , 30° , 40° .
33. Convert '5a' into tree diagram.

VI Answer any 5 of the following.

$$5 \times 3 = 15$$

34. Find the HCF of 18, 24 and 30.
35. Saritha bought 6m and 40 cm of cloth for herself and 3m and 80cm of cloth for her sister. What was the total length of the cloth bought by her?
36. Convert 480 days into years.
37. If Guna marks his product to be sold for Rs. 325 and gives a discount of Rs. 30, then find the selling price.
38. Can a triangle be formed with 8cm, 6cm and 4cm as its sides?
39. If the two angles of the triangles are 80° and 60° , then find the third angle.
40. Convert $(3 \times 5) - (4 \div 2)$ into tree diagram.

VII Answer any one of the following.

$$8 \times 1 = 8$$

41. Draw a line segment $AB = 7\text{cm}$ and mark a point P on it. Draw a line perpendicular to the given line segment at P. **(OR)**
 Draw a line and mark a point R below it at a distance of 5.4cm through R draw a line parallel to the given line.