SECOND MID TERM TEST - 2024
Standard - VI

Time: 1.30 hrs   **MATHS**   **Marks:50**

I Choose the correct answers: 10x1=10

1. The only even prime number is _____
   a) 4   b) 6   c) 2   d) 0
2. The sum of the factor of 27 is
   a) 28   b) 37   c) 40   d) 31
3. Which of the following pairs is co-prime?
   a) 51,63   b) 52,91   c) 71,81   d) 81,99
4. 7km - 4200m is equal to _____
   a) 3km 800m   b) 2km 800m   c) 3km 200m   d) 2km 200m
5. 2 days = _____ hours.
   a) 38   b) 48   c) 28   d) 40
6. 2½ years is equal to _____ Months.
   a) 25   b) 30   c) 24   d) 5
7. Discount = M.P - _____
   a) Profit   b) S.P.   c) Loss   d) C.P
8. C.P. = Rs.50 S.P. = Rs.60 then Profit is
   a) Rs.50   b) Rs.60   c) Rs.10   d) Rs.110
9. Sum of three angles of a triangle is
   a) 60°   b) 100°   c) 180°   d) 360°
10. If two sides of a triangle are 5cm and 9cm then the third side is _____
    a) 5cm   b) 3cm   c) 4cm   d) 14cm

II Fill in the blanks   5x1=5

11. The numbers 29 and _____ are twin primes.
12. The least number that should be added to 57 so that the sum is exactly divisible by 2, 3, 4 and 5 is _____
13. 450 ml x 5 = _____ litre _____ ml.
14. 1.15 a.m. = _____ hours.
15. In an isosceles triangle _____ angles are equal.

III Say True (or) false: 5x1=5

16. If a number is divisible by 6 then it must be divisible by 3.
17. The HCF of 17 and 18 is 1.
18. 100cm is equal to 1m.
19. S.P. > C.P. then there is loss.
20. If three sides of a triangle are equal in length it is called an scalene triangle.

IV Answer any five of the following questions: 5x2=10

21. Find the HCF of the numbers 40 and 56 by division method.
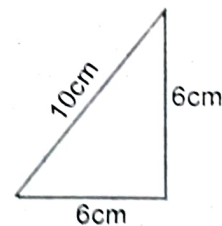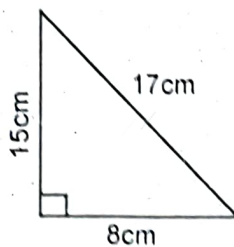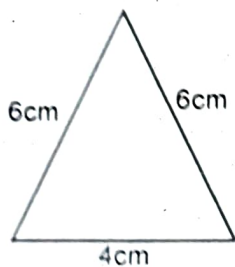22. Find the LCM of 30,40,60 using Prime factorisation method.

(2)　　　　　　　　　　　　　　　VI Maths

23. Convert 526 ml into litre.
24. Change 21.10 hours into 12 hour format.
25. Rani bought a set of bangles for Rs.310. Her neighbour liked it most. So Rani sold it to her for Rs.325. Find the profit or loss to Rani.
26. Can a triangle be formed with the following sides? If yes name the type of triangle 8cm, 6cm, 4m.
27. 50°, 90° are the two angles of a triangle. Find the third angle.

V Answer any five of the following questions: 　　　　　5x3=15

28. The LCM of two numbers is 432 and their HCF is 36. If one of the number is 108 then find the other number?
29. Find the Prime factorisation of 420 by factor tree method and division method.
30. A child needs 100g of vegetables per day. How many kg of vegetables will be needed for school of strength 90.
31. Calculate the duration of time from 5.30 a.m. to 12.40 p.m.
32. Convert 38 months into years.
33. Valarmathi sold her Pearl set for Rs.30,000 at Profit of Rs.5,000. Find the cost price of the Pearl set.
34. Classify the following triangles based on its sides and angles.

VI Answer any one of the following : 　　　　　1x5=5

35. a) Draw a line segment AB=7cm and Mark a point on it. Draw a line perpendicular to the given line segment at P.

(Or)

b) Draw a line segment measuring 7.8cm. Mark a point above it at a distance of 5cm Through B draw a line parallel to the given line segment.

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