FTM   FIRST TERM SUMMATIVE EXAMINATION - 2023

6 - STD   **MATHS**

Time : 2.00 hrs   Marks : 60
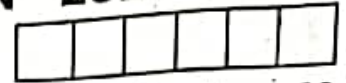

I   Choose the correct answer.   5 X 1 = 5

1.   The successor of 9999 is

    a) 9000   b) 10000   c) 9998   d) 10001

2.   1 billion is equal to

    a) 100 crore   b) 100 million   c) 100 lakh   d) 10000 lakh

3.   The value of $24 \div \{8 - (3 \times 2)\}$ is ....

    a) 0   b) 12   c) 3   d) 4

4.   6 less to 'n' gives 8 is represented as

    a) n - 6 = 8   b) 6 - n = 8   c) 8 - n = 6   d) n - 8 = 6

5.   If a man walks 2km in 15 minutes then he will walk .... km

    in 45 minutes.

    a) 10 km   b) 8 km   c) 6 km   d) 12 km

II   Fill in the blanks.   5 X 1 = 5

6.   Multiplication by .... leaves a number unchanged.

7.   If 'P-5' gives 12 then P is ....

8.   Ratio of 75 paise to Rs. 2 = ...

9.   A ray has .... end point(s).

10. The tally marks for number 8 in standard form is ....

III Say true or false.   5 X 1 = 5

11. 0 is the identity for multiplication of whole numbers.

12. The product of 'q' and 20 is 20q.

13. 5 : 7 is equivalent to 21 : 15.

14. 0° and 180° are supplementary.

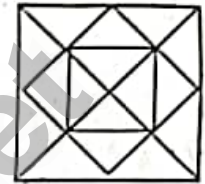15. One of the terms in a ratio cannot be 1.

IV   Match the following.   5 X 1 = 5

16. 10000 - 1   -   8

17. $\dfrac{59}{1}$ -   Right angle

18. 4 : 5 = ... : 10   -   9

19. 90°   -   9999

20. |||| |||| -   59

FTM 6 – கணிதம் (EM) பக்கம் – 1

V · Answer any six questions from the following.   6 X 2 = 12

21. Write the numbers name of the numaral 103, 456, 786 in the international system.

22. Write a 3 digit number using the digits 4,7 and 9. What are the possible numbers you can write?

23. Simplify : $(10 + 17) \div 3$.

24. Find the estimated value of $5598 \div 689$.

25. Give two equivalent ratio for 3 : 5.

26. Draw any 3 lines to have a point of concurrency.

27. Define : Data.

28. If g is equal to 300 what is the value of g-1 and g+1?

29. How many triangles are there in a given figure?

VI   Answer any four questions from the following.   4 X 5 = 20

30. Arrange the following numbers in the assending order.
128435, 10835, 21354, 6348, 25840.

31. Simplify : $20 + [8 \times 2 + \{(6 \times 3) - (10 \div 5)\}]$.

32. What is the ratio of 40 minutes to 1 hour?

33. A line segment 63cm long is to be divided into two parts in the ratio 3 : 4 find the length of each part?

34. Find the complementary angle of
i) $85°$ ii) $26°$ ii) $0°$

35. Viji threw a die 30 times and noted down the result each time as follows. Prepare a table on the numbers shown using tally marks.
1 4 3 5 5 6 6 4 3 5 4 5 6 5 2
4 2 6 5 5 6 6 4 5 6 6 5 4 1 1

36. Chitra has to buy laddus in order to distribute to her friends as follows.

Classes	VI	VII	VIII	IX	X
Number of Jaddus	70	60	45	80	55

VII Answer any one of the following.   1 X 8 = 8

37. Construct a line segment QR = 8.5cm using ruler and compass.

38. Use a protractor to draw an angle $90°$.

FTM 6 – கணிதம் (EM) பக்கம் – 2