MODEL QUESTION SET

Class: IV Maximum Marks: 100

Subject: Mathematics Time: 3 hrs.

Candidates are required to answer in their own words as far as practicable. Credit shall be given to originality in expression, creativity and neatness in hand, not to rote learning.

Attempt all the questions.

Group-A 14×1 = 14

1. **Read the question carefully and encircle the correct answer.**
   a) What type of triangle has any two sides equal?
      (i) Equilateral triangle (ii) Scalene triangle
      (iii) Isosceles triangle (iv) Right angled triangle
   b) How many lakhs are there in 1 million?
      (i) 1 (ii) 10
      (iii) 100 (iv) 1000
   c) What is the Roman numeral for the value of 50?
      (i) X (ii) M
      (iii) C (iv) L
   d) What is the product of 20×300?
      (i) 60 (ii) 6000
      (iii) 600 (iv) 60000
   e) Which of the following operations is performed at first in simplification?
      (i) Division (ii) Multiplication
      (iii) Addition (iv) Subtraction
   f) Which of the following fractions is proper fraction?
      (i) $\dfrac{3}{4}$ (ii) $\dfrac{4}{3}$
      (iii) $1\dfrac{2}{3}$ (iv) $\dfrac{2}{2}$
   g) What is the sum of x and 2x?
      (i) $3x^2$ (ii) $3x$
      (iii) $2x$ (iv) $2x^2$
   h) What is the algebraic equation for 'two times x is 10?
      (i) $x + 2 = 10$ (ii) $x - 2 = 10$
      (iii) $x \div 2 = 10$ (iv) $2x = 10$
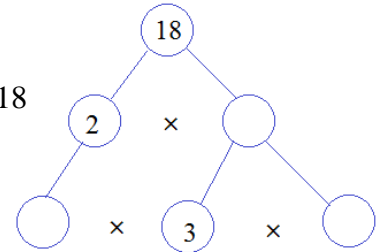
2. **Write the correct answer in the blank spaces.**
   a) The simplified value of $15 - (3 + 8)$ is ….
   b) The sum of $0.5 + 0.7$ is ….
   c) There are … cm in 1 m.
   d) The perimeter of a triangle with side lengths 2cm, 3cm and 4cm is ….
   e) The expression $2x - 1$ has … terms.
   f) A set of natural numbers less than 5in listing method is ….

3. (a) Construct an angle of 50^0 by using protractor.
    (b) The area of Nepal is **one lakh forty-seven thousand one hundred eighty one**square kilometres.
        (i) Re-write the area of Nepal in numeral.
        (ii) Re-write the area in International number system.

4. (a) Simplify: $40 ÷ 10×2 + 5 − 12$
    (b) Make the mathematical expression and simplify for 'the sum of 7 and 8 is subtracted from 20'.
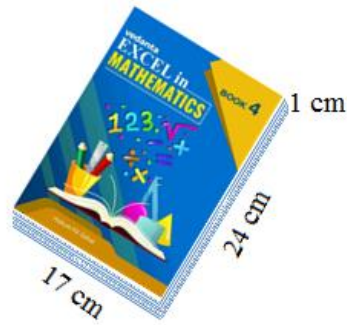
5. (a) Write the correct numbers in the empty circles. Then write 18 as the product of its prime factors.

    (b) Find the possible factors of 8 and 12. Then find their H.C.F.

6. (a) Convert 5 *l* 125 *ml* in to the decimal of litres.

    (b) Find the volume of the given mathematics book.

7. (a) Multiply: $1.24× 7$
    (b)Find the value of 40% of 60 km.
    (c) Add: 2 h 30 min + 3 h 40 min

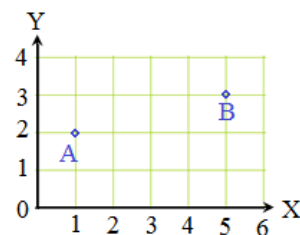**8.** (a) Subtract: y + 3 from 4y +9.
    (b) Solve: $2x + 1 = 7$

9. (a) Express A = {a, e, I, o, u} in diagrammatic and descriptive methods.
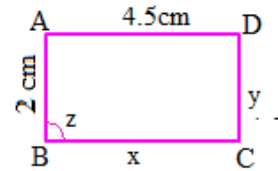   (b) Rewrite the following set in listing method.
        'A set of prime numbers less than 10'

10. (a) The temperature of cold water is $25^{o}C$. When it is warmed, its temperature raises to 52^0C. By how many ^0C is the temperature risen? Find.

    (b)Write down the ordered pairs of numbers of the points A and B in the given squared graph.

11. In the given rectangle, find the length of sides and size of angle marked by x, y and z.

12. You have Rs 20 and your mother gives you Rs 25. If you spend Rs 30, how much money will you have then? Find it.

13. In class 4, a teacher divided 50 sweets equally among 13 boys and 12 girls. How many sweets did each student get?

14. Father and mother earn Rs 2,000 in a day. If they spend $\frac{2}{5}$ of their earning to run the family.
   (i) How much money do they spend every day?
   (ii) How much money do they save every day?

15. The cost of 1 litre of mustard oil is Rs 225.60 and the cost of 1 litre of sunflower oil is Rs 185.80. Which oil is more expensive and by how much?

16. There are 90 eggs in 3 crates of eggs.
   (i) How many eggs are there in 1 crate?
   (ii) How many eggs are there in 5 crates?

17. The length of a rectangular white board is 3 m and its breadth is 2 m broad. Find the area ofspace on the wall covered by the white board?

18. Rahul buys a doll of Mickey Mouse for Rs 450. He sells it to Rejina for Rs 500. Find his profit or loss.

19. Bamboo is known as one of the fastest growing plants. A bamboo plant is 3 m 40 cm high on a day. If it grows 85 cm in one day, what is the height of the bamboo plant next day?

20. Study the bill given below and find the total bill paid by Sushmita Rai to Anamol.
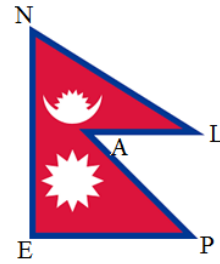
Vedanta Stationery Traders
Budha Subba Chowk, Rajabas- 9

Bill No. 0702   Date: 2077/10/24

Customer's name: Sushmita Rai Address: Prakashpur

S.No.	Particulars	Quantity	Rate (Rs)	Amount (Rs)
1.	Crayons	6	20.00	…….
2.	Drawing Books	3	60.00	…….
Total				…….

In words: …………………..

……………………….
Salesman: Anamol

21. A brother is 3 years younger than his sister. If brother 10 years old, how old is the sister? Make an equation and solve it.

22. The scores obtained by different houses in a Maths Quiz Contest are given below in the table. Draw a bar graph using the information.

Houses	Green House	Red House	Blue House	Yellow House
Scores	60	40	50	35

23. Observe our National Flag and answer the following questions.

    (i)   Name an angle that has the vertex E.

    (ii)   How many acute angles are there in the flag? Name any three acute angles.

    (iii)   How many right angles are there in the flag?

    (iv)   What type of angle is ∠LAP?

24. Find the sum and difference between the greatest and the least numbers of 6-digits.

25. The weight of Motu is 82 kg 510 g and the weight of Patlu is 50 kg 820 g. Who has got more weight and by how much?

26. Aarohi is a two years kid. She drinks $\dfrac{5}{6}$ litre of milk and $\dfrac{4}{9}$ litre of water in a day. By how much does she drink more milk than water in a day?

The End