Admission No:_____ Roll no. _____

BK BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS

SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL

PRE-MID-TERM (2024-25)

MATHEMATICS (041)

Class : V Marking Scheme Max. Marks: 25

Date : 05/08/24 Duration: 1 Hr

A. Choose the correct answer 1 x 5 = 5

1. 23 x 100 = ___2300_____
   a. 23 b. 100 c. 2300 d. 300

2. 65480 ÷ 65480 = ____1_____
   a. 1 b. 0 c. 100 d. 10

3. A number which is divisible by 9 is also divisible by _____3_____
   a. 4 b. 0 c. 10 d. 3

4. Dividend = Divisor x ___ Quotient _____+ Remainder
   a. Quotient b. 100 c. 0 d. Division

5. A _composite_____ number is a number that has more than two factors.
   a. Prime b. Composite c. Natural d. Whole

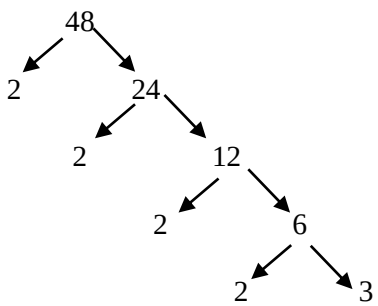
B. Do as directed: 2 x 4 = 8

6. Write the first 4 multiples of 13
   13 x 1 = 13
   13 x 2 = 26
   13 x 3 = 39
   13 x 4 = 52

7. Find the product a. 6432 x 222

```
  6432
 X 222
------
 12864
128640
+1286400
-------
1427904
-------
```

8. Factorise 48 using the factor tree method.



9. Divide and find the quotient a. 252525 ÷ 25

```
            10101
      ___________
  25 )  252525
      — 25
        ___
          2
      —   0
        ___
          25                    Q = 10101
      —   25
        ____
           2                    R = 0
      —    0
        ____
           25
      —    25
        ____
           00
        ____
```

C. Solve the following questions as directed 3 x 4 = 12

10. Divide the following and check the answer

a. 56437 ÷ 12

```
            4703
      ___________
  12 )   56437
      —  48
        ___
          84
      —   84
        ___
          003                   Q = 4703
      —     0
        ____
           37                   R = 01
      —    36
        ____
           01
        ____
```

Checking :

Dividend = Divisor x Quotient + Remainder

56437 = 12 x 4703 + 1

= 56436 + 1

= 56437

b. 55550 ÷ 50

```
            1111
      ___________
  50 )   55550
      —  50
        ___
          55
      —   50
        ___
           55                   Q = 1111
      —    50
        ____
            55                  R = 0
      —     50
        ____
             50
      —      50
        ____
             00
        ____
```

Checking :

Dividend = Divisor x Quotient + Remainder

55550 = 50 x 1111 + 0

= 55550 + 0

= 55550

11. The cost of a wooden table is □ 2,375. A government office purchased 236 such tables. How much money was spent in all?

Solution:

Cost of 1 table = ₹2,375

∴ Cost of 236 tables = ₹2,375 × 236 = ₹5,60,500

Answer: The office spent ₹5,60,500 in buying 236 tables.

$$\begin{array}{r} 2375 \\ \times\ 236 \\ \hline 14250 \\ 71250 \\ +\ 475000 \\ \hline 560500 \end{array}$$

12. Check the divisibility of 58239 by a. 3 b. 4 c. 6

a. 5 + 8 + 2 + 3 + 9 = 27
26 is a multiple of 3. It is divisible by 3.

b. 39 is not a multiple of 4
It is not divisible by 3

c. 9 is not an even number so it is not divisible by 2
It is divisible by 3
Therefore, it is not divisible by 6

13. Using the Prime factorization method, find the HCF.
a. 18, 24 and 60

Solution:

Prime factorisation of 18 = **2** × **3** × 3

Prime factorisation of 24 = **2** × 2 × 2 × **3**

Prime factorisation of 60 = **2** × 2 × **3** × 5

2	18
3	9
3	3
	1

2	24
2	12
2	6
3	3
	1

2	60
2	30
3	15
5	5
	1

Common prime factors = 2 and 3

HCF = Product of common prime factors = 2 × 3 = 6

Answer: HCF of 18, 24 and 60 = 6