Dr M. K. K Arya Model School

Time : 40 minutes **Class IV (Mathematics) (Sep-2021)** **M.M = 20**

Question 1 to 10 carry 1 mark each.
Question 11 to 12 carry 2 mark each.
Question 13 to 14 carry 3 mark each.

Part – A

1. The prime factorization of 48 is

   (a) 2x2x2x3x3 (b) 2x2x2x2x3 (c) 2x2x3x3x3 (d) 2x2x2x3x3x3

2. The product of 2000 x 180 is

   (a) 36000 (b) 3600 (c) 360000 (d) 3600000

3. What is the third multiple of 16

   (a) 32 (b) 48 (c) 64 (d) 80

4. Product of smallest prime number and smallest composite is

   (a) 2 (b) 4 (c) 8 (d) 10

5. What is the product of 10 and 0

   (a) 10 (b) 100 (c) 0 (d) 1

6. Complete the number pattern 30 ,26 ,22 ,18 ,14 , …….

   (a) 18 (b) 6 (c) 10 (d) 2

7. 234 ÷ 234 =

   (a) 234 (b) 1 (c) 0 (d) none of these

8. …… is the only even prime number.

   (a) 8 (b) 6 (c) 4 (d) 2

9. Prime numbers with a composite number in between in between are called ……. Prime numbes.

   (a) Even (b) Odd (c) Twin (d) Composite

10. Estimate the quotient 647 ÷ 47 (by rounding to nearest 10)

    (a) 12 (b) 13 (c) 14 (d) 15

11. Complete the number patterns

    (i) 116, 126, 136, 146, …… , …… , …… , ……

    (ii) CD , EF , GH , …… , …… , ……

12. If 2,875 trees are planted every day, how many trees will be planted in the month of July?

13. A jug contains 4,341 mL of juice which is poured equally into 11 glasses. How many mL of juice does each glass contain? How many mL of juice remains in the jug.

14. Write the first six multiples of 7 and 14. Then find their common multiples.

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Part – B

1. What is the value of 40 x5 x2

   (a) 80 (b) 200 (c) 400 (d) 100

2. Find the quotients 306 ÷ 9

   (a) 24 (b) 32 (c) 33 (d) 34

3. Find the remainder 441 ÷ 2

   (a) 0 (b) 1 (c) 2 (d) 3

4. Find the missing factor …… x 7 = 84

   (a) 14 (b) 13 (c) 12 (d) 11

5. What is the value of 58 x 30

   (a) 1740 (b) 1470 (c) 174 (d) 1074

6. Multiples of a number are …….

   (a) Equal (b) limited (c) Unlimited (d) None of these

7. ……. Is a factor of every number.

   (a) 0 (b) 1 (c) 2 (d) 3

8. Shapes that fit each other without gaps in between are said to …….

   (a) Rangoli (b) Patterns (c) Tessellate (d) symmetrical

9. Complete the number patterns 28, 35, 42, 49, ……..

   (a) 54 (b) 56 (c) 58 (d) 60

10. In 8548 ÷ 100 then Quotient =…….. Remainder = ……

    (a) Q= 85 , R = 0 (b) Q= 48 , R = 85 (c) Q= 85 , R = 48 (d) Q= 80 , R = 48

11. Find the prime factorization of 56 by the factor tree method

12. The number of trees were planted equally in 9 different parks is 7,623. How many trees would be planted in 1 park?

13. Ritu uses the treadmill and sets a target to burn 2,550 calories a day. How many calories can she burn in 185 days if she strictly sticks to her target?

Case - Study

14. Ashu study in class IV. One day he goes with his mother to pay school fees. The school fee for a child for 3 months is Rs 9,600.

(i) What would be the fee for 1 month?

(a) Rs 3,000 (b) Rs 3,200 (c) Rs 28,800 (d) Rs 14,400

(ii) What would be the fee for 6 month?

(a) Rs 30,000 (b) Rs 38,400 (c) Rs 19200 (d) Rs 18,000

(iii) What would be the fee for 12 month?

(a) Rs 38,400 (b) Rs 3,2000 (c) Rs 28,800 (d) Rs 36,400