

A K M PUBLIC SCHOOL
FIRST SEMESTER EXAMINATION(SAMPLE QUESTION PAPER)

CLASS 5

MATHEMATICS

MARK 50

TIME 2hrs

Choose the correct answer from the bracket.(10 marks)

1. Like fractions are fractions that have _____
(same numerator, same denominator, one as the numerator)
2. A circle has _____ lines of symmetry.
(1, 2, many, no)
3. Which among the following is a cube?
(volley ball, dice, duster, pencil)
4. How many prime numbers are there between 1 and 20?
(10, 20, 4, 8)
5. Crore in Indian system is the same as _____ in the International system.
(ten million, hundred million, hundred thousand, ten thousand)
6. What is $\frac{5}{10} + \frac{3}{10}$
($\frac{8}{10}$, $\frac{8}{20}$, $\frac{2}{10}$, $\frac{2}{20}$)
7. Prime factors of 20 are _____
($2 \times 2 \times 3$, $2 \times 2 \times 5$, $2 \times 2 \times 2 \times 2$, 2×10)
8. Which of the following are a set of equivalent fractions?
(a) $\frac{2}{4}$, $\frac{5}{3}$, $\frac{7}{2}$
(b) $\frac{3}{8}$, $\frac{7}{8}$, $\frac{4}{8}$
(c) $\frac{1}{2}$, $\frac{2}{4}$, $\frac{3}{6}$
9. Improper fraction of $5\frac{3}{8}$ is _____
($\frac{43}{8}$, $\frac{23}{8}$, $\frac{43}{3}$, $\frac{16}{8}$)
10. State whether the following are True or False .
 - I. A factor is a number that divides the given number exactly with out any remainder.
 - II. 13 is divisible by 2
 - III. 11 has more than two factors
 - IV. 1 is a factor of every number(a) FTTF (b) FFTT (c) TTFF (d) TFFT

Fill in the blanks (9 marks)

11. Reciprocal of $\frac{9}{12}$ is _____
12. The successor of 899 is _____
13. $\frac{7}{15} - \frac{2}{15} =$ _____
14. A line that divides a given figure exactly into two equal halves is _____
15. $7 \times \frac{1}{4} =$ _____
16. Volume of a cube is _____
17. Fractions having different denominators are called _____ fractions
18. Predecessor of 100 is _____
19. Smallest composite number is _____

Answer the following questions (10 marks)

20. Find the LCM of 3 and 7
21. Find the HCF of 15 and 20
22. Write the first five multiples of 8
23. Find the volume of a cube whose sides are 5cm.
24. Arrange the following in ascending order

$$\frac{1}{7}, \frac{1}{2}, \frac{1}{6}, \frac{1}{4}$$

Questions 25 to 28 carry 3 marks each

25. Write 4 equivalent fractions of $\frac{1}{10}$
26. Find the volume of a cuboid with length = 9cm, breadth = 8cm , height = 5cm
27. Reduce the following fraction to their lowest term
 $\frac{15}{21}$
28. A book weighs $\frac{2}{3}$ kg . Find the weight of eight such books.

Question 29 carries 4 mark

29. Solve the following questions
 - (a) Divide $\frac{4}{5}$ by $\frac{4}{9}$
 - (b) Multiply $2\frac{1}{2}$ and 10
 - (c) Subtract $\frac{4}{5} - \frac{2}{3}$
 - (d) Add $\frac{3}{5} + \frac{7}{2}$

Question 30 carries 5 marks

30. The population of Delhi in 2017 was 19072564 and it increased to 84763250 in 2021.
 - (a) Write the population of 2021 in words.
 - (b) The successor of 19072564 is _____
 - (c) What is the place value of 7 in 19072564
 - (d) Write the population of 2021 in expanded form
 - (e) Write the population of 2017 in words according to international system of numeration.