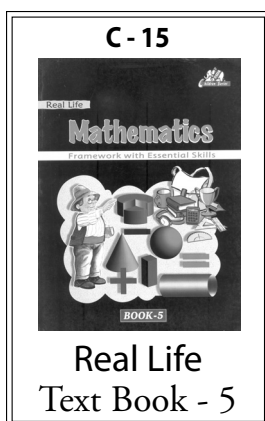


Name : Section : Roll No :



QUARTERLY EXAMINATIONS

Mathematics

MARKS 100

Class : V

Time : 2½ Hours

Syllabus

Chapters : 1 to 6

School Stamp

1. Answer any TWELVE of the following questions. (12 × 5 = 60)

- Find the H.C.F. of 1599, 1833, 1885 by division method.
- A family needs $15\frac{3}{4}$ l of milk per week. What quantity of milk does the same family need for 1 day ?
- Find the product of $\frac{2}{3}$, $\frac{3}{5}$ and $\frac{6}{7}$.
- A mango seller puts 126 mangoes for sale. If he sells away $\frac{2}{3}$ of the mangoes by noon, find the number of mangoes he sells. How many are left ?
- Simplify $2\frac{1}{2} + 3\frac{1}{3} - 4\frac{1}{4}$
- a) Write Roman numerals for 63 and 45.
b) Write Hindu – Arabic numerals for LXXXIV and XLVI.
- Find all prime numbers between 1 and 30.
- Write the expanded form of each number given below.
i) 5,46,792 ii) 36,92,051
- Nandini spent Rs. $9\frac{3}{4}$ to buy potatoes, Rs. $12\frac{1}{2}$ to buy carrots and Rs. $6\frac{1}{4}$ to buy onions. How much money did she spend altogether ?
- The H.C.F. and L.C.M. of two numbers are respectively 7 and 84. If one of the two numbers is 28, determine the other number.
- Find the least whole number which is exactly divisible by 10, 16 and 24.
- a) Convert i) $6\frac{3}{4}$ ii) $4\frac{1}{6}$ into improper fractions.
b) Convert i) $\frac{96}{13}$ ii) $\frac{23}{9}$ into mixed fractions.
- a) Write 2306009 in words in International place value system.
b) Write i) 80,80,808 and ii) 56,73,008 in words.

14. Find the division of the following.

i) $11\frac{1}{9} \div 6\frac{2}{3}$

ii) $9\frac{3}{8} \div 3\frac{3}{4}$

15. What is the largest whole number that divides both 390 and 442 without leaving any remainder ?

II. Choose the correct answer and write its letter in the bracket.

(10 × 1 = 10)

1. The immediate predecessor of 72390 is ()
a) 72391 b) 72389 c) 72392
2. The place value of 6 in 568921 is ()
a) 60000 b) 6000 c) 60
3. A prime number has only _____ factors. ()
a) 2 b) 3 c) 1
4. The standard form of $80000 + 9000 + 20 + 5$ is ()
a) 80925 b) 89025 c) 890025
5. CLX = ()
a) 560 b) 160 c) 1060
6. The largest prime number less than 100 is ()
a) 91 b) 93 c) 97
7. $\frac{17}{24} - \frac{11}{24} =$ ()
a) $\frac{2}{4}$ b) $\frac{1}{4}$ c) $\frac{6}{4}$
8. Equivalent fraction of $\frac{2}{6}$ is ()
a) $\frac{6}{18}$ b) $\frac{4}{16}$ c) $\frac{4}{36}$
9. $\frac{4}{5} = \frac{20}{?}$ (Number in the place of ?) ()
a) 25 b) 5 c) 4
10. Factor of 49 is ()
a) 6 b) 3 c) 7

III. Fill in the blanks.

(10 × 1 = 10)

1. Write the place value of 6 in 68571 is _____
2. The least of the 3 – digit number is _____
3. A composite number has at least _____ factors.
4. The H.C.F. of 62 and 63 = _____

5. $\frac{9}{16} = \frac{63}{?}$ (Number in the place of ?) _____
6. The L.C.M. of 4 and 6 is _____
7. The largest of 62275, 62572 and 62257 is _____
8. The Hindu – Arabic numeral for XCVI is _____
9. $1\frac{1}{9} \div 6\frac{2}{3} =$ _____
10. $\frac{2}{5} \times \left(\frac{5}{9} \times \frac{6}{7}\right) = \left(\frac{2}{5} \times \text{_____}\right) \times \frac{6}{7}$

IV. Answer the following.

(10 × 1 = 10)

1. Write all the factors of 32.

Sol.

2. Reduce $\frac{42}{91}$ to its lowest terms.

Sol.

3. Write Hindu – Arabic number for CIV.

Sol.

4. Write 54,21,960 in expanded form.

Sol.

5. Convert $\frac{109}{12}$ into mixed fractions.

Sol.

6. Find the L.C.M. of 36, 72, 90.

Sol.

7. Find the H.C.F. of 675, 825, 875 by the method of division.

Sol.

8. Write 4,82,01,603 in words in International place value system.

Sol.

9. Round of 34876 to the nearest hundred.

Sol.

10. Write the place value of 3 in 463978.

Sol.

V. Write True (or) False for the following.

(5 × 1 = 5)

1. All multiples of 3 are multiples of 6. ()
2. All composite numbers have exactly 3 factors. ()
3. The multiplicative inverse of $\frac{5}{12}$ is $\frac{5}{12}$. ()
4. The number which is its own multiplicative inverse is 1. ()
5. All prime numbers are odd. ()

VI. Match the following.

(5 × 1 = 5)

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|----------------------------------|----------|------------------|
| 1. L.C.M. of 4,5,6 is | () | a) $\frac{5}{4}$ |
| 2. $\frac{6}{8} + \frac{1}{2} =$ | () | b) 6 |
| 3. Factor of 36 | () | c) 23540 |
| 4. H.C.F. of 6,8 | () | d) 60 |
| 5. 11 is divisible by | () | e) 2 |

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