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the metamorphosis starts from here....



BRILLIANT INTERNATIONAL Olympiad of MATHEMATICS

Class-V (Syllabus and Sample Question Paper)

Number System, Operation on Numbers, Roman Numerals, Factors and Multiples, HCF and LCM, Fraction, Decimals, Percentage, Geometrical Concepts, Area and Perimeter of Geometrical Figures, Graphical Representation of Data, Number Series, Mathematical Reasoning, Probability, Everyday Mathematics

The Actual Question Paper Contains 40 Questions. The Duration of the Test Paper is 60 Minutes

1. Divide 69398 by 50. Then

- (A) Quotient = 1386 and Remainder = 46
- (B) Quotient = 1386 and Remainder = 48
- (C) Quotient = 1387 and Remainder = 46
- (D) Quotient = 1387 and Remainder = 48
- (E) None of these

2. Read the statements carefully:

Statement 1 : When we divide a number by 0, we obtain 0 as the quotient.

Statement 2 : The sum is always greater than addend.

Statement 3 : Dividend is always greater than divisor.

Statement 4 : $a \times (b + c) = (a \times b) + (a \times c)$

Which of the above Statement is true.

- (A) Statement : 1
- (B) Statement : 2
- (C) Statement : 3
- (D) Statement : 4
- (E) None of these

3. The daily consumption of milk in a family is $2\frac{3}{4}$ liters. The quantity of milk consumed

by the family in the month of february in 2012 is:

- (A) 77 liters
- (B) $77\frac{3}{4}$ liters
- (C) $79\frac{3}{4}$ liters
- (D) 79 liters
- (E) None of these

4. The value of $0.2 \times 0.2 \times 0.2 \times 30 \times 10$ is?

- (A) 0.24 (B) 0.34 (C) 2.4 (D) 0.0024
(E) None of these
-

5. $\frac{0.1}{0.01} + \frac{0.01}{0.1}$ is equal to?

- (A) 10.10 (B) 1.01 (C) 1.10 (D) 10.01
(E) None of these
-

6. Peter bought 5kg 350g potatoes, 3kg 725g tomatoes and 2kg 475g onions. The total weight of vegetable bought by him is ?

- (A) 11kg 350g (B) 10kg 550g (C) 11kg 550g (D) 10kg 530g
(E) None of these
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7. In an examination, peter got 75 marks out of 90. The percentage of marks did he got, was (approximately)?

- (A) 72% (B) 80% (C) 83% (D) 90%
(E) None of these
-

8. The difference between 9 hours 25 minutes and 3 hours 45 minutes is?

- (A) 3 hours 40 minutes (B) 5 hours 25 minutes
(C) 5 hours 40 minutes (D) 3 hours 25 minutes
(E) None of these
-

9. Each of the following angles are less than straight angle except?

- (A) Acute angle (B) Reflex angle (C) Obtuse angle (D) Right angle
(E) None of these
-

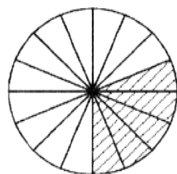
10. Find the product of 77875 and X. X is a natural number which is 7 more than 55.

- (A) 4283125 (B) 4283129 (C) 4283105 (D) 4828250
(E) None of these
-

11. What least number should be subtracted from 2465445455207 so that the number becomes exactly divisible by 5?

- (A) 7 (B) 4 (C) 5 (D) 2
(E) None of these
-

12. Represent the shaded part as a fraction and choose the correct option:



- (A) It is a proper fraction (B) It is an improper fraction
(C) It is a mixed fraction (D) It is a unit fraction
(E) None of these

13. Convert the mixed fraction $154\frac{5}{9}$ into improper fraction:

(A) $\frac{1931}{9}$

(B) $\frac{1391}{9}$

(C) $\frac{1911}{9}$

(D) $\frac{1191}{9}$

(E) None of these

14. There are 40 students in a class, $\frac{3}{4}$ of them attended a picnic. How many students did not attend the picnic?

(A) 10

(B) 20

(C) 30

(D) 40

(E) None of these

15. Which one of the following is the correct expanded form for the decimal 40.0235?

(A) $4 + \frac{2}{100} + \frac{3}{1000} + \frac{5}{10000}$

(B) $40 + \frac{2}{100} + \frac{3}{1000} + \frac{5}{10000}$

(C) $40 + \frac{2}{10} + \frac{3}{100} + \frac{5}{1000}$

(D) $400 + \frac{2}{10} + \frac{3}{100} + \frac{5}{1000}$

(E) None of these

ANSWERS

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|-------|-------|-------|-------|-------|
| 1. B | 2. B | 3. C | 4. C | 5. A |
| 6. C | 7. C | 8. C | 9. A | 10. D |
| 11. D | 12. A | 13. B | 14. A | 15. B |