

Class-Six

Subject - Mathematics

Creative questions - 1 (Arithmetic):

10 and 30 are two numbers.

- (a) Do the prime factorization for 10 and 30. 2
- (b) Find the l.c.m of 10 and 30 by ~~Eucl~~ Euclid method. 4
- (c) Show that the product of the numbers is equal to the product of the numbers l.c.m and h.e.f. 4

Creative question - 2 (Algebra):

(-7) and (-8) are two integers.

- (a) Find the value of the blank box: 2

$$(-8) + \square = -20$$

- (b) Calculate the sum of (-7) and (-8) by the number line. 4

- (c) Subtract (-8) from (-7) by the number line and also describe the whole procedure. 4

M.C.Q questions :

1. Why do we use the symbol \emptyset ?

- (a) Negative numbers
- (b) Positive numbers
- (c) Zero
- (d) Integers.

2. Which set of numbers are natural numbers?

- (a) $\{0, 1, 2, 3, \dots\}$
- (b) $\{1, 2, 3, \dots\}$
- (c) $\{\dots, -4, -3, -2, -1\}$
- (d) $\{\dots, -1, 0, 1, \dots\}$

3. What is the sum of $\{9 + (-6)\}$?

- (a) -3
- (b) 15
- (c) 3
- (d) -15

4. What is the additive inverse of $(-a)$?

- (a) $\frac{1}{a}$
- (b) $-\frac{1}{a}$
- (c) $-a^2$
- (d) $+a$

5. What is the sum of 12 and its additive inverse?

- (a) 24
- (b) 12
- (c) 0
- (d) -24

6. 1 million equals to ~~10~~ how many lac ?

- (a) 5
- (b) 7
- (c) 10
- (d) 8

7. 1 billion equals to how many crore?

(a) 70

(b) 80

(c) 90

(d) 100

8. 1 Ajut equals to how many thousands?

(a) 7000

(b) 8000

(c) 9000

(d) 10,000

9. 1 Nijut equals to how many lac?

(a) 7

(b) 8

(c) 9

(d) 10

10. What is common for co-prime numbers?

(a) 1

(b) 2

(c) 3

(d) 4

11. 378 is divisible by which number?

(a) 7

(b) 4

(c) 5

(d) 9

12. Which of the following are co-prime?

(a) 27, 54

(b) 63, 91

(c) 189, 210

(d) 52, 97

13. Which one is the sum of 3 times of a with y times of x?

- (a) $3a + xy$ (b) $3x + ay$ (c) $ax + 3y$ (d) $ay + 3x$

14. Which one is "5 is subtracted from two times of x"?

- (a) $2x + 5$ (b) $2x - 5$ (c) $\frac{x}{2} + 5$ (d) $5 - 2x$

15. What is the median of 4, 6, 7, 9 and 12?

- (a) 7 (b) 12 (c) 9 (d) 6

16. Which data are organized?

(a) 2, 4, 8, 0

(b) 2, 4, 2, 4

(c) 8, 6, 0, 4

(d) 8, 6, 4, 2

17. What type of data are 48, 22, 28, 25, 15?

(a) Organized

(b) Unorganized.

(c) Arranged in ascending order

(d) Arranged in descending order.

18. Which one is the measurement of the earth?

(a) Arithmetic

(b) Algebra.

(c) Geometry

(d) Statistics.

19. Which one deals with the measurement of space?

- (a) Arithmetic
- (b) Algebra
- (c) Geometry
- (d) Statistics.

20. Euclid is from which country?

- (a) India
- (b) Australia
- (c) Greece
- (d) Italy.

21. What is the name of Euclid's book?

- (a) Elements
- (b) Element
- (c) Elemants
- (d) Elemant

22. When did Mr. Euclid write his book?

- (a) 1st century B.C
- (b) 2nd century B.C
- (c) 3rd century B.C
- (d) 4th century B.C

23. A solid body has which things?

- (a) length, width
- (b) width, ~~the~~ Height
- (c) Height, length
- (d) length, Height, width.

24. Which one is not an example of solid body?

- (a) Brick
- (b) Book
- (c) Box
- (d) Air

25. How many faces are there of a brick?

- (a) three (b) four (c) Five (d) six

26. How many line can be drawn by two points?

- (a) One (b) two (c) three (d) four

27. If Q is an interior point of the line segment PR then which one is true?

(a) $PQ + QR = PR$ (b) $PQ - QR = PR$

(c) $PQ - PR = QR$ (d) $PQ + PR = QR$

28. In a plane two straight lines intersect at how many points?

- (a) One (b) two

- (c) ~~three~~ three (d) four

29. What is the mean of 3, 4, 5, 2 and 6?

- (a) 2 (b) 3 (c) 4 (d) 5

30. Which one is the correct use of comma in international rule?

(a) 9,875,47,321 (b) 987,547,321

(c) 98,75,47,321 (d) 9,87,547,321