

SA-1 EXAM 2022-2023

Class VI

SUBJECT-MATHS

Time-2^{1/2} Hour

M.M.-45

Instruction

All Questions are Compulsory

Read the questions paper carefully and write their answers.

Question:- The Choose correct option:

1. The largest 4-digit number, Using any digit?

- (a) 8,777 (b) 8,837
(c) 7,784 (d) 8,874

2. Which of the following does not represent zero?

- (a) $1+0$ (b) 1×0
(c) $0/2$ (d) $10/10/2$

3. The expression $7\times 2\times 5=2\times 7\times 5$ is an example of which property?

- (a) Associative (b) Distributive
(c) Commutative (d) Identity

4. Which of the following is not a prime number.

- (a) 21 (b) 23
(c) 29 (d) 43

5. Which of the following represents 500-year age

- (a) -500 (b) 500
(c) 1-500 (d) -(500)

Q.2 Fill in the blanks

1. Value of $-65 =$ _____.
2. A fraction in which the numerator is less than denominator is called a _____.
3. An exact divisor of a number is called its _____.
4. $53982 \times 0 =$ _____.
5. The successor of the number 9,999 is _____.

Q.3 True or false.

1. The estimated product of 24×2.728 is $20 \times 3,000 = 6000$.
2. Closure applies in subtraction and division.
3. All odd numbers are prime.
4. The sum of $\frac{1}{7}$ and $\frac{3}{7}$ is $\frac{4}{14}$

Q.4 Very Short (Any-5)

1. Write Roman numerals for

- (a) 50 (b) 83
(c) 347 (d) 61

2. Write the place value of 8 in.

- (a) 58,397 (b) 9,83,721

3. Write down 5 multiples of.

- (a) 2 (b) 4

4. Represent each number and its opposite on a number line.

(a) -2

(b) 4

5. Draw a line segment?

(a) $AB=6\text{cm}$

(b) $BC=8\text{cm}$

6. Write a fraction for the following?

(a) Five eighths

(b) Three fifth

Q.5 Short Answer type. (Any-3)

1. Estimate the product

(a) 68×7

(b) 523×16

2. Simplify each expression identify the property used?

(a) $8+23+2$

(b) $16+47+14$

3. Find the prime factorization of each number. By using a factor tree.

(a) 24

(b) 36

4. Draw a square with sides 4 cm, Divide it into 16 equal parts and shade $\frac{9}{16}$ on it.

Q6. Short Answer type. (Any-3)

1. (i) Use a protector to draw each angles of the given measure.

(a) 60°

(b) 80°

(ii) Write the types of angle.

2. Simplify and express the answer in simple form/ mixed fraction.

(a) $7\frac{1}{3} + 4\frac{5}{5} + 2\frac{1}{6}$

(b) $6\frac{1}{5} - (4\frac{3}{10} - 1\frac{1}{2})$

3. (a) Complete the following table.

S.No	Column No.1	Column No.2
	Product of numbers	Product of HCF and LCM
(a)	$9 \times \underline{\hspace{2cm}} = 108$	$3 \times 36 = \underline{\hspace{2cm}}$
(b)	$15 \times 20 = \underline{\hspace{2cm}}$	$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
(c)	$21 \times 24 = \underline{\hspace{2cm}}$	$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
(d)	$20 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

(b) The LCM of two numbers is 1820 and 139 their HCF is 26. if one number is then find the other number

4) Find the LCM by division method.

(a) -12, 16 and 18

(b) 30, 42, 63