

THE ASSAM VALLEY SCHOOL

ENTRANCE EXAMINATION:

SUBJECT: MATHEMATICS

FOR ADMISSION TO CLASS: 6

Time : 1 hour

M.M : 50

(TO BE FILLED BY THE CANDIDATE)

Name

Date of birth

Studying in class

Class in which admission is desired

Registration Number

Name of Centre

Date

(TO BE FILLED BY THE EXAMINER)

MARKS OBTAINED IN PERCENTAGE

INITIALS OF THE EXAMINER

SIGNATURE OF THE EXAMINER

INITIALS OF THE CHAIR

SIGNATURE OF THE CHAIR

COMMENT OF THE CHAIR

VPN / SET 1

GENERAL INSTRUCTIONS

Answers to this paper must be written on the paper provided separately. The time given at the head of this paper is the time allowed for writing the answers. The intended marks for questions or parts of questions are given in the brackets []. Section A is compulsory and attempt any 5 questions from Section B.

SECTION A

Question 1

Fill in the blanks

[5X1=5 Marks]

- Fractions in which the numerator is less than the denominator are called ____ fractions.
- $13\text{kg} = \underline{\hspace{2cm}} \text{g}$.
- $\frac{3}{5}$ and $\frac{4}{5}$ are called ____ fractions.
- HCF stands for the _____.
- If a number has only two factors 1 and the number itself, it is known as a _____ number.

SECTION B (Attempt any 5 questions)

Question 2

- Find the LCM of 24 and 32 by prime factorization method. [5]
- Find the product of :
 - 2.5 and 1.5 [2]
 - 6.78 and 10 [2]

Question 3

- John works from nine o'clock in the morning until half past six in the evening. How many hours is that? [5]
- Convert the following into fractions:
 - 7.07 [2]
 - 0.003 [2]



Question 4

- a) Simplify: $7 - 5 + 14 \div 2 + 6$ [5]
- b) Draw an object which has the shape of :
- i) Cube [2]
- ii) Cylinder [2]

Question 5

- a) Three weeks ago, Andrew's weight was 43 kg. Since then he has lost 2 kg and 500 g. What is his present weight? [5]
- b) Add the following:
- i) $\frac{5}{6} + \frac{6}{5}$ [2]
- ii) 12 and 3.46 [2]

Question 6

- a) The product of two numbers is 49815. If one of them is 123, find the other. [5]
- b) Convert as mentioned:
- i) 4.5 kg to gm [2]
- ii) $7\frac{1}{2}$ km to m [2]

Question 7

- a) If 20 metres of cloth costs Rs 560, how much will 13 metres of the same cloth cost? [5]
- b) Write the following decimals in expanded form using the place values:
- i) 107.68 [2]
- ii) 43.008 [2]