



# Delhi Public School, Howrah

Periodic Assessment- 1 (2024-25)

Class-VII

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

Time: 1 Hour 30 minutes

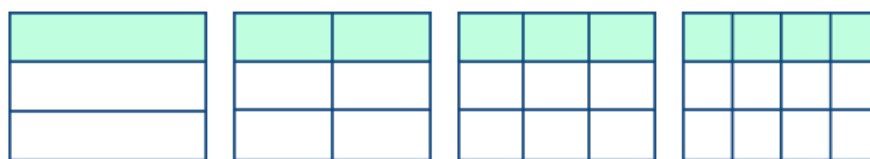
Subject: - Mathematics

Maximum Marks: 40

## A. CHOOSE THE CORRECT ALTERNATIVES:

(1 × 10 = 10)

- On dividing a negative integer by another negative integer, the quotient will be:  
a. Always positive      b. Always Negative      c. Either positive or negative      d. 1
- Which of the following is not true?  
a.  $0 \div 2 = 0$       b.  $-25 \div 5 = -5$       c.  $12 \div 0 = 12$       d.  $4 \div 1 = 4$
- The simplest form of  $\frac{18}{36}$  is:  
a.  $\frac{3}{6}$       b.  $\frac{9}{18}$       c.  $\frac{1}{2}$       d.  $\frac{2}{1}$
- Which of the following is greater?  
a. 0.300      b. 0.003      c. 0.030      d. 3.000
- What will be the range of following data?  
32, 41, 28, 54, 35, 26, 33, 23, 38, 40  
a. 25      b. 23      c. 31      d. 54
- Mode and median of the data 13,16,12,14,19,12,14,13,14 respectively are:  
a. 13 & 14      b. 14 & 13      c. 14 and 14      d. 19 and 13
- What is the statement for the expression  $3mn+5$ ?  
a. 5 more than  $\frac{1}{3}$  of product of m and n  
b. number 5 added to product of number m and n  
c. number 5 added to 3 times the product of m and n  
d. 5 more than 3 times the product of the numbers m and n
- Raju's father's age is 5 years more than 3 times Raju's age. If Raju's age is x years, then father's age is:  
a.  $3x+5$       b.  $5-3x$       c.  $3x-5$       d. 15
- Is the given figure representing equivalent fraction?



- a. Yes      b. No      c. Cannot be determined

## 10. Assertion (A): $0.07 \times 1000 = 70$ .

**Reason(R)** : when a decimal number is multiplied by 10, 100 or 1000, the digits in the product are same as in the decimal number but the decimal point in the product is shifted to the right by as many of places as there are zeros over one.

- Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A)
- Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A)
- Assertion (A) is true but reason (R) is false
- Assertion (A) is false but reason (R) is true.

## B. FILL IN THE BLANKS:

(1 × 5 = 5)

- If sum of two consecutive natural numbers is 31, then the smaller number is \_\_\_\_\_.
- If sum of two integers is -80 and if one of the integers is -90, find the other \_\_\_\_\_.
- The difference of two proper fractions is always a \_\_\_\_\_.
- $11 \div 20$  in decimal can be written as \_\_\_\_\_.

5. The mean of first 5 whole numbers is \_\_\_\_\_.

**C. MATCH THE FOLLOWING:**

**(1 × 5 = 5)**

COLUMN A	COLUMN B
1. $\frac{6}{7} \times 14$	I. 0
2. $0.003 \times 0.2$	II. 96
3. $\frac{8}{9} \times 9 \div 1000$	III. 0.0006
4. $24 \div \frac{1}{4}$	IV. $\frac{42}{49}$
5. $\frac{2}{3} \times \frac{4}{9} \times 0 \times \frac{3}{5}$	V. 0.008
	VI. 12
	VII. 6

**D. SHORT ANSWER TYPE QUESTIONS:**

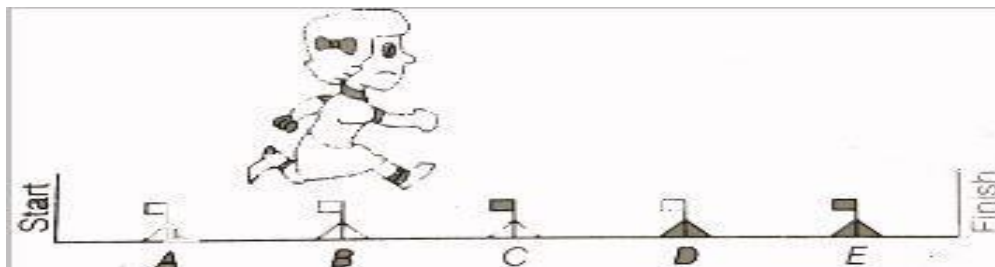
**(2 × 3 = 6)**

1. You are at an elevation 380 m above sea level as you start a motor ride. During the ride, your elevation changes by the following metres: 540 m, -268 m, 116 m, -152 m, 490 m, -844 m, 94 m. What is your elevation relative to the sea level at the end of the ride? (Positive distance represents above the sea level and negative distance represents below the sea level)
2. Harmeet purchased 3.5kg of potatoes at the rate of ₹13.75 per kg. How much money should she pay in all?
3. If  $k + 7 = 16$ , then the value of  $8k - 72$ .

**E. LONG ANSWER TYPE QUESTIONS:**

**(3 × 3 = 9)**

1. In a hurdle race, Nidhi is over hurdle B and  $\frac{2}{6}$  of the way through the race, as shown in the figure.



Then, answer the following:

- i. Where will Nidhi be, when she is  $\frac{4}{6}$  of the way through the race?
  - ii. Where will Nidhi be when she is  $\frac{5}{6}$  of the way through the race?
  - iii. Give two fractions to tell what part of the race Nidhi has finished when she is over hurdle C.
2. The perimeter of a rectangle is 40m. The length of the rectangle is 4 m less than 5 times its breadth. Find the length of the rectangle.
  3. The following are weights (in kg) of 11 people.  
70, 62, 54, 57, 62, 84, 75, 59, 62, 65, 76
    - i. Find the mean of the weights of the people.
    - ii. How many people weigh above the mean weight?
    - iii. Find the median of the given data.

**F. LONG ANSWER TYPE QUESTIONS:****(5 × 1 = 5)**

The students of Class VII must choose one club from Chess, Skating, Robotics, Vedic maths, Guitar Karate. The data given below shows the choices made by girls and boys of the class. Study the table and answer the questions that follow:

CLUBS	CHESS	SKATING	ROBOTICS	VEDIC MATHS	GUITAR	KARATE
GIRLS	15	24	10	19	27	21
BOYS	12	16	8	17	11	30

- i. Draw a double bar graph using appropriate scale to depict the above data. **(3)**
- ii. Which is the most preferred club by boys and least preferred club by girls? **(1)**
- iii. For which club is the difference between boys and girls the maximum? **(1)**

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