

NEW-ERA Public School

CLASS: 7th

SUB: MATHEMATICS

M. MARKS: 20

UNIT: Ist (2021)

PART - A

Attempt any Three (3) Questions:

Q1: Simplify:

$$4[30 \div \{10 + 6 + (7-8)\}]$$

Q2: Which one is greater:

$$(7+9) \times 11 \quad \text{or} \quad 7 + (9 \times 11)$$

Q3: Find the product using suitable properties:

a) $(-39) \times 110$

b) $778 \times 1562 + 778 + (-562)$

Q4: If $\odot$ is an operation on integers such that for integers a and b , $a \odot b = a - b - (-1)$ then find:

a) $4 \odot (-10)$

b) $3 \odot 7$

$$\rightarrow (3 \times 2 = 6)$$

PART - B

Attempt any Three (3) Questions:

Q1: Solve the following equations:

a) $\frac{x}{3} + 3 = 2$

b) $3p - 7 = 2p - 3$

Q2: A number is multiplied by 3 and then 5 is added to it to get 20. What is the number.

Q3: Ramesh's father's age is 6 years more than four times Ramesh's age. Ramesh's father is 42 years old. Find Ramesh's age.

Q4: A horse and a cart together cost ₹ 4600. If the cost of cart is the one third of the cost of the horse. What is the cost of horse and cart:
 $\rightarrow (3 \times 2 = 6)$

PART - C

fill in the blanks:

- 1) $(-15) \times 0 \times 18 = \underline{\hspace{2cm}}$
- 2) $(-70) \div 10 = \underline{\hspace{2cm}}$
- 3) The absolute value of -19 is $\underline{\hspace{2cm}}$
- 4) $(-9) \times 9 = \underline{\hspace{2cm}}$

True / False.

- 5) The negative of a negative integer is always a positive integer.
- 6) $0 \div 8 = 0$
- 7) Additive inverse of a negative integer is again a negative integer.
- 8) 8 negative integers and 7 positive integers after multiplication gives a positive sign.
 $\rightarrow (8 \times 1 = 8).$

Good - luck