

NEW-ERA PUBLIC SCHOOL

CLASS $\Rightarrow$ 7th

SUBJECT $\Rightarrow$ MATHEMATICS

UNIT $\Rightarrow$ I st - (2022)

MAX. MARKS $\Rightarrow$ 2.0

LONG-TYPE QUESTIONS

$\rightarrow$ Attempt any 2 (Two) Questions:

Q1) $\Rightarrow$ Simplify:

a) $7 \div \left(1\frac{5}{7} + \frac{2}{7}\right)$

b) $\left(\frac{3}{4} + \frac{1}{8}\right) \times \frac{1}{3}$

Q2) $\Rightarrow$ The area of a rectangular plot of land is $36\frac{1}{2}$ sq m. If the length of the plot is $7\frac{3}{5}$ m, find the breadth of the plot.

Q3) $\Rightarrow$ Ron practises cricket for $1\frac{1}{2}$ hours every Monday, Tuesday, and Wednesday. He practises cricket for $2\frac{1}{3}$ hours every Thursday, Friday and Saturday. He does cricket practice on Sunday for $3\frac{1}{2}$ hours. How many hours does he practise cricket in a week.

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

SHORT-TYPE QUESTIONS

$\rightarrow$ Attempt any 4 (four) Questions.

Q1) $\Rightarrow$ Write in descending order:

$\frac{3}{4}, -\frac{4}{5}, \frac{7}{10}, -\frac{11}{12}$

Q2) $\Rightarrow$ By what number should we multiply $9\frac{2}{3}$ to get 1.

Q3) $\Rightarrow$ Simplify:

$\left(\frac{5}{9} - \frac{12}{45}\right) \times \frac{5}{3}$

(2)

Q4) $\Rightarrow$ A roll of cloth measures 7m. If $2\frac{1}{2}$ meters of cloth is needed to stitch one shirt, how many shirts can be stitched from this roll of cloth.

Q5) $\Rightarrow$ Using suitable arrangements calculate the following.

a) $134 \times 11 + 134 \times 9$

b) $(-142) + (-58) + 200$.

Q6) $\Rightarrow$ Find the sum of the following

a) $18\frac{3}{4} - 4\frac{1}{4}$

b) $\frac{13}{25} + \frac{7}{5}$

$\rightarrow (4 \times 2 = 8)$

Q7) $\Rightarrow$ Fill in the blanks:

(Compulsory Question)

1) Convert $\frac{49}{18}$ into mixed fraction _____

2) Find the reciprocal of $2\frac{3}{4}$ _____

3) $3\frac{5}{7} \div \frac{7}{4}$ is equal to _____

4) Absolute value of $-\frac{19}{3}$ is _____

5) $3 \div 0$ is equal to _____

6) $\frac{4}{9} \times \frac{3}{2}$ is equal to _____ $\rightarrow (1 \times 6 = 6)$

Good Luck