

# Primary Test for the Unit 01, 02, 06 & 09 for class 8<sup>th</sup> (VIII)

## Unit-01

**Question-01:** Find  $\frac{3}{7} + \frac{-2}{14} - \frac{8}{28}$

**Question-02:** Find  $\left(\frac{9}{8}\right) \times \left(\frac{8}{9}\right) \times \left(\frac{7}{3}\right) \times \left(\frac{6}{4}\right) \times \left(\frac{4}{6}\right) \times \left(\frac{3}{7}\right) \times \left(\frac{4}{5}\right) \times \left(\frac{5}{4}\right) \times \left(\frac{9}{3}\right)$

**Question-03:** Find  $\left\{\frac{2}{3} + (5)\frac{4}{15}\right\} + \left\{\frac{5}{7} + (-2)\frac{8}{14}\right\}$

**Question-04:** Is 0.3 is a multiple inverse of  $3\frac{1}{3}$ ? Why or why not.

**Question-05:** Write any 15 rational numbers between -2 and 0.

## Unit-02

**Question-01:** Solve for  $x$ ,  $\frac{51}{17} - 6x = 9$ .

**Question-02:** The perimeter of a rectangle is 13 cm and its width is  $2\frac{3}{4}$  cm. Find its length.

**Question-03:** The sum of three consecutive multiples of 13 is 339. Find these multiples.

**Question-04:** Solve for  $x$ ,  $\frac{2x}{3} + 1 = \frac{7x}{15} + 9$ .

**Question-05:** Solve for  $x$ ,  $\frac{7y+4}{y+2} = \frac{-4}{3}$

## Unit-06

**Question-01:** How many numbers lie between square of 12 and 14?

**Question-02:** 2025 plants are to be planted in a garden in such a way that each row contains as many plants as the number of rows. Find the number of rows and the number of plants in each row.

**Question-03:** In a right triangle ABC,  $\angle B = 90^\circ$ .

(a) If AB = 6 cm, BC = 8 cm, find AC (b) If AC = 13 cm, BC = 5 cm, find AB.

**Question-04:** There are 500 children in a school. For a P.T. drill they have to stand in such a manner that the number of rows is equal to number of columns. How many children would be left out in this arrangement?

**Question-05:** The students of Class VIII of a school donated Rs 2401 in all, for Prime Minister's National Relief Fund. Each student donated as many rupees as the number of students in the class. Find the number of students in the class.

## Unit-09

**Question-01:** Identify the terms, their coefficients for each of the following expressions.

(a)  $4x^2 + 2x + 1$

(b)  $4x^2y^2 + 6x + 5$

**Question-02:** Add  $a^2 + b^2, b^2 + c^2, c^2 + a^2, 2ab + 2bc + 2ca$

**Question-03:** Simplify  $3x(4x - 5) + 3$  and find its values for (I)  $x = 3$  (II)  $x = \frac{1}{2}$ .

**Question-04:** Multiply  $a^2 + 2b^2, a^2 + b^2$  and  $5a - 3b$

**Question-05:** Show that  $(a - b)(a + b) + (b - c)(b + c) + (c - a)(c + a) = 0$