

Pooja Model School

Session: 2025–2026

Weekly Worksheet

Subject: Mathematics

Class: VIII

Month - July

Week - 1st

Chapter 1: Rational Numbers

Q1. Which of the following is a rational number?

A. $\sqrt{2}$

B. π

C. $\frac{3}{4}$

D. $\sqrt{3}$

Q2. The reciprocal of $\frac{5}{8}$ is:

A. $\frac{8}{5}$

B. $-\frac{8}{5}$

C. $\frac{5}{8}$

D. $-\frac{5}{8}$

Q3. Which of these is equal to 0?

A. $\frac{0}{5}$

B. $\frac{5}{0}$

C. $\frac{0}{0}$

D. $\frac{1}{0}$

Q4. Which of the following rational numbers lies between $\frac{1}{2}$ and $\frac{3}{4}$?

A. $\frac{1}{4}$

B. $\frac{2}{3}$

C. $\frac{5}{6}$

D. 1

Q5. What is the additive inverse of $-\frac{7}{9}$?

A. $\frac{7}{9}$

B. $-\frac{7}{9}$

C. $\frac{9}{7}$

D. $-\frac{9}{7}$

Chapter 2: Linear Equations in One Variable

Q6. Solve: $x + 5 = 12$

A. $x = 5$

B. $x = 6$

C. $x = 7$

D. $x = 17$

Q7. If $3x = 21$, then x equals:

A. 6

B. 7

C. 8

D. 9

Q8. Which is a linear equation in one variable?

A. $x^2 + 2 = 0$

B. $x + 3 = 0$

C. $x^3 = 27$

D. $x^2 - 4 = 0$

Q9. Solve: $2x - 3 = 7$

A. 2

B. 3

C. 4

D. 5

Q10. The solution of $x/4 = 3$ is:

A. $x = 1$

B. $x = 7$

C. $x = 12$

D. $x = 9$