



MANURAJ

PUBLIC SCHOOL

**UNIT TEST-1
MATHS
GRADE-8TH**

NAME: _____

DATE: 13-05-2025

TOTAL MARKS: 20

Q1 Click (✓) the correct option:

A. Find the value of the given variable

1) $1+4x= 6/7$

a) $1/28$

b) $-1/28$

c) $4/7$

2) $3x-1/8= 9/16$

a) $10/6$

b) $11/6$

c) $9/8$

3) $2x-3= x+2$

a) 9

b) 5

c) 7

4) $5t-3= 3t-5$

a) 1

b) 2

c) -1

Q2. Solve the following equations

a) $(2x+5)/3 = 3x-10$ _____

b) $7x/2 - 5x/2 = 20x/3 + 10$ _____

c) $X - (x-1)/2 = 1 - (x-2)/3$ _____

d) $7y+2/5 = (6y-5)/11$ _____

e) $3(t-3) = 5(2t+1)$

Q4. What is the additive inverse of $(-3/4)$ -----.

Q5. What is the multiplicative inverse of $13/5$ -----.

Q6. $(-1/3)$ lies on the ----- side of $-2/3$ on the number line.

Q7 $(-1/5 \times -1/3) \times (-2/3) = (-1/5) \times (----- \times -2/3)$.

Q8 The product of two rational number is always a-----

Q9 Name the property under multiplication used in

$$-19/29 \times 29/19 = 1$$