

Linear equation in one

Worksheet 2

Q.1 Tick the correct alternative

- The sum of two, 2 digit number is 25 & their difference is 1. The two numbers are
 - 10, 15
 - 16,9
 - 12,13
 - 14,11
- If $2x+3-x-\frac{1}{2}$ then value of x is
 - $\frac{5}{2}$
 - $\frac{7}{2}$
 - $\frac{-7}{2}$
 - $\frac{-7}{4}$
- Solution of equation $\frac{3x}{5+4x} = \frac{1}{3}$ is
 - 1
 - 0
 - 1
 - 2
- $\frac{1}{5}$ th a number is 20 less than the number, the number is
 - 25
 - 30
 - 40
 - 150

Q.2 Solve

- $6(3x-1)-3(4x-2)=2(x-5)=3(2x-2)$
- $3(x-2)-2(x-3)=4(x-5)+5(x-8)$
- $7(2t-3)+2(3t+2)=t+5$
- $12-\frac{2}{3}(2x+5)+3x=5$

Q.3 The numerator of a fraction is 3 less than its denomination. If the numerator is increased by 1 & and the denomination is increased by 3, the fraction becomes $\frac{1}{2}$. find the original fraction