

VIII - Ch 2 Linear Equations in one Variable Ex 2.5

NCERT Solutions by Dev Anoop (Bathinda)

$$\begin{aligned}
 9. \quad & 3(5z-7) - 2(9z-11) = 4(8z-13) - 17 \\
 \Rightarrow & 15z - 21 - 18z + 22 = 32z - 52 - 17 \\
 \Rightarrow & -3z + 1 = 32z - 69 \\
 \Rightarrow & -3z - 32z = -69 - 1 \\
 \Rightarrow & -35z = -70 \\
 \Rightarrow & z = \frac{-70}{-35} \\
 \Rightarrow & z = 2
 \end{aligned}$$

$$\begin{aligned}
 10. \quad & 0.25(4f-3) = 0.05(10f-9) \\
 \Rightarrow & f - 0.75 = 0.5f - 0.45 \\
 \Rightarrow & f - 0.5f = -0.45 + 0.75 \\
 \Rightarrow & 0.5f = 0.3 \\
 \Rightarrow & f = \frac{0.3}{0.5} \\
 \Rightarrow & f = \frac{3}{5} \\
 \Rightarrow & f = 0.6
 \end{aligned}$$

VIII - Ch 2 Linear Equations in one Variable Ex 2.5

NCERT Solutions by Dev Anoop (Bathinda)