

WP-4 Notes

Sunday, 25 October 2026 22:42

Word Problems

1) The sum of 46 and three times a number is 151. Find the number.

$$\begin{array}{r} 3x + 46 = 151 \\ -46 \quad -46 \\ \hline 3x = 105 \\ \frac{3}{3} \quad \frac{3}{3} \\ \hline x = 35 \end{array}$$

2) A school cafeteria sold 420 sandwiches today. The number sold with turkey was twice the number sold without turkey. How many of each kind were sold?

$$x = \text{no turkey} \quad 2x = \text{turkey}$$

$$x + 2x = 420$$

$$\begin{array}{r} 3x = 420 \\ \frac{3}{3} \quad \frac{3}{3} \\ \hline \end{array}$$

$$\begin{array}{l} x = 140 \text{ no turkey} \\ 280 \text{ turkey} \end{array}$$