



INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS

PAIR OF LINEAR EQUATION IN TWO VARIABLES CHAPTER 3

Name: _____

Date: _____

Class: X Sec: ____

1.	Question-6 2 audio cassettes and 3 video cassettes cost ₹425 and 3 audio cassettes and 2 video cassettes cost ₹350. What are the prices of an audio cassette and of a video cassette?.
2.	Question-8 Draw the graph of the linear equation $2y + x = 7$. Check whether the point (3, 2) lies on the line or not.
3.	Question-13 In a parallelogram, one angle is $\frac{4}{5}^{\text{th}}$ of the adjacent angle. Determine the angles of the parallelogram.
4.	Question-15 Find the points of intersection of the line represented by the equation $7x + y = -2$ with y-axis. Check whether the point (2, 1) is a solution set of the given equation.
5.	Question-23 Solve the following system of equations : $(a + c)x - (a - c)y = 2ab$; $(a + b)x - (a - b)y = 2ab$.
6.	Question-26 4 men and 4 boys can do a piece of work in 3 days, while 2 men and 5 boys can finish it in 4 days. How long would it take 1 man alone to do it?.
7.	Question-31 A two-digit number is 4 more than 6 times the sum of its digits. If 18 is subtracted from the number, the digits are reversed. Find the number.
8.	Question-19 Solve the following system of equations: $\frac{x+y-8}{2} = \frac{x+2y-14}{8} = \frac{3x+y-12}{11}$