

19. The owner of a taxi company decides to run all the taxis on CNG fuel instead of petrol/diesel. The taxi charges in city comprises of fixed charges together with the charge for the distance covered. For a journey of 12 km, the charge paid is ₹789 and for journey of 20 km, the charge paid is ₹145.

What will a person have to pay for travelling a distance of 30 km?
(2014)

20. A man travels 300 km partly by train and partly by car. He takes 4 hours if he travels 60 km by train and the rest by car. If he travels 100 km by train and the remaining by car, he takes 10 minutes longer. Find the speeds of the train and the car separately. (2017D)

21. Draw the graphs of following equations:

$$2x - y = 1; x + 2y = 13$$

Find the solution of the equations from the graph and shade the triangular region formed by the lines and the y-axis. (2013)

22. Amit bought two pencils and three chocolates for ₹11 and Sumeet bought one pencil and two chocolates for ₹7. Represent this situation in the form of a pair of linear equations. Find the price of one pencil and that of one chocolate graphically. (2017OD)

