

Practice Test 2:

1. A man has only 20 paise coins and 25 paise coins in his purse, If he has 50 coins in all totaling Rs. 11.25, how many coins of each kind does he have.
2. Students are made to stand in rows. If one student is extra in a row there would be 2 rows less. If one student is less in a row there would be 3 rows more. Find the number of students in the class.
3. A train covered a certain distance at a uniform speed. If the train would have been 6km/hr faster, it would have taken 4hours less than the scheduled time. And if the train were slower by 6km/hr, it would have taken 6 hours more than the scheduled time. Find the distance of the journey.
4. When the son will be as old as the father today their ages will add up to 126 years. When the father was old as the son is today, their ages add upto 38 years. Find their present ages
5. Find the value of p and q for which the system of equations represent coincident lines
 $2x + 3y = 7$, $(p+q+1)x + (p+2q+2)y = 4(p+q)+1$
6. The population of the village is 5000. If in a year, the number of males were to increase by 5% and that of a female by 3% annually, the population would grow to 5202 at the end of the year. Find the number of males and females in the village.
7. At a certain time in a tiger park, the number of heads and the number of legs of tigers and human visitors were counted and it was found there were 50 heads & 200 legs. Find the number of tigers and human visitors in the park.