Q1. A plane left 30 minutes later than the scheduled time. In order to reach its destination 1500 km away in time, it has to increase its speed by 250 km/h. Find its usual speed. Ans. 750 km/h

Q2. A plane left half an hour later than its scheduled time. In order to reach its destination 1500 km away in time, it had to increase its speed by 100 km/h. Find the original speed of the plane. Ans. 500 km/h

Q3. An aeroplane left 50 minutes later than its scheduled time. In order to reach its destination 1250 km away in time, it had to increase its speed by 250 km/h. Find the original speed of the plane. Ans. 500 km/h

Q4. A plane left 40 minutes late due to bad weather and in order to reach its destination, 1600 km away in time, it had to increase its speed by 400 km/h. Find the usual speed of the plane. Ans. 800 km/h

Q5. The sum of the ages of the boy and his brother is 25 years and the product of their ages is 126. Find their present ages. Ans. 18 years and 7 years

Q6. Rohan's mother is 26 years older than him. The product of their ages 3 years from now will be 360. We would like to find Rohan's present age. Ans. 7 years

Q7. The sum of the ages of a father and his son is 45 years. Five years ago, the product of their ages was 124. Find their present ages. Ans. 36 years and 9 years

Q8. A girl is twice as old as her sister. Four years hence, the product of their ages will be 160. Find their present ages. Ans. 12 years and 6 years

Q9. The sum of the reciprocals of the Rehman's ages, 3 years ago and 5 years from now is $\frac{1}{3}$. $Find\ his\ present\ age.$ Ans. 7 years

Q10. The sum of the reciprocals of the child's ages, 2 years ago and 4 years from now is $\frac{4}{9}$. $Find\ his\ present\ age.$ Ans. 5 years

Q11. In a class test, the sum of Shefali's marks in Mathematics and English is 30. Had she got 2 marks more in Mathematics and 3 marks less in English, the product of their marks would have been 210. Find her marks in the two subjects. Ans. 12 and 18 or 13 and 17

Q12. In a class test, the sum of Kamal's marks in Mathematics and English is 40. Had he got 3 marks more in Mathematics and 4 marks less in English, the product of their marks would have been 360. Find his marks in the two subjects. Ans. 21 and 19 or 12 and 28

Q13.Two water taps together can fill a tank in $6\ hours.\ The\ tap\ of\ larger\ diameter\ takes\ 9\ hours\ less\ than$ the smaller one to fill the tank seperately. Find the time in which each tap can seperately fill the tank. Ans. 15 hours and 25 hours

Q14. Two water taps together can fill a tank in $9\frac{3}{8}\ hours.\ The\ tap\ of\ larger\ diameter\ takes\ 10\ hours\ less\ than$ the smaller one to fill the tank seperately. Find the time in which each tap can seperately fill the tank. Ans. 15 hours and 25 hours

Q15. Sum of the areas of two squares is 468 m^2. If the difference of their perimeters is 24 m, find the sides of the two squares. Ans. 18 m and 12 m

Q16. Sum of the areas of two squares is 400 m^2. If the difference of their perimeters is 16 m, find the sides of the two squares. Ans. 16 m and 12 m