ASSIGNMENT NO. 2

STD –VIII SUBJECT – MATHS chapter- 2

1. Solve - (i) -2( q + 2 ) = 18 (ii) a +7 - $\frac{8a}{3}$ = $\frac{17}{6}$ - $\frac{5a}{ 8}$
2. Two numbers are such that the ratio between them is 3 : 5 . If each is increased by 10 , the ratio between the new number so formed is 5 : 7 . Find the original number ?
3. A number consist of two digits whose sum is 9. If 27 is subtracted from the number , its digits are reversed , find the number ?
4. The numerator of a fraction is 4 less than the denominator . If 9 is added to the numerator the fraction is equal to $\frac{2}{3}$
5. A sum of rs.800 is in the form of denominations of Rs. 10 and Rs. 20. If the total numbers of notes be 50. Find the number of notes of each type ?
6. kiran is twice as old as Ashish. If 6 years is subtracted from ashish’s age and four years added to kiran ‘s age ; then kiran will be four times Ashish ‘s age . How old were they two years ago ?
7. The sum of two numbers is 45 and their ratio is 7 : 8, find the numbers ?
8. Solve $\frac{3C-2}{4}$ -$ \frac{ 4C-2}{7}$ = 28
9. Four fifth of a number is more than three- fourth of the number by 4 . Find the number.
10. The numerator of a fraction is 6 less than the denominator. If 3 is added to the numerator, the fraction is equal to $\frac{2}{3}$ . What is the original fraction equal to ?
11. The ages of Sonu and Monu are in the ratio 7: 5. Ten years hence, the ratio of their ages will be 9:7, find their present ages ?
12. In a rational number , twice the numerator is 2 more than the denominator . If 3 is added to each , the numerator and the denominator , the new fraction is $\frac{2}{3}$ . Find the original number.
13. A number consists of two digit s whose sum is 9. If 27 is added to the number ,its digits are reversed . Find the number.
14. A number is such that it is as much greater than 84 as it is less than 108. Find it .
15. SOLVE :- $\frac{17 \left(2-X\right)-5 (X+12)}{1-7X}$ = 8
16. SOLVE $\frac{X+B}{A-B}$ = $\frac{X-B }{A+B}$
17. SOLVE $\frac{X}{2 }$ + $\frac{X}{3}$ - $\frac{X}{4}$ = 7
18. A number consists of 2- digits. The sum of the digits is 12 . if 36 is subtracted from the number , the digits change their places . find the number ?
19. Karim ‘s father is 8 times as old as karim. Find his age , if age of his father is 48 years ?
20. Solve - $\frac{3}{2}$ ( x - 4 ) = $\frac{1}{4 }$ (3x +1)