CLASS 7 MATHS SIMPLE EQUATION HOTS

1.2(X-5)+3(X-2)=8+7(X-4)

2.$\frac{3(2X-5)}{4} - \frac{5(7-5X)}{6} = \frac{7X}{3}$

3.The ten's digit of a two digit number is twice the unit's digit. The sum of the number and its unit's digit is 66.Find the number.

4.a student bought some pens at Rs 8 each and some pencils at Rs 1.50each.If the total number of pens and pencils purchased is 16 and their total cost is Rs50, how many pens did he buy?

5. The angles of a triangle are in the ratio 1:2:3.Find their measure in degrees.

CASE STUDY

1. Two persons start moving from two points A and B in opposite directions toward each other .

One person starts moving from A at the speed of 4km/h and meets the other person coming

from B after 6 hours. If the distance between A and B is 42km, find the speed of other person.

2. There are some benches in a classroom. If 4 students sit on each bench then 3 benches remain empty and if 3 students sit on each bench then 3 students remain standing. Find the number of students in the class.

3. On her 13th birthday Pratibha decided to distributes blankets to the poor people instead of giving party to his friends. Half of the blankets he distributed in old age home, three fourth of the remaining in an orphanage and rest 20 were distributed to the road side beggars. Find the number of blankets he had.