[2] Ages Basis of average 1-Note: understand > create con > solve

1) Ram is 3 times old as Sam-2 years ago he was 5 films odd as Sam . What is presentage of Ram Sols. Present = Ram age = 3x

Sam age = X

2 years ago -> Ram age = 3 x-2 Sam = X-2

but also zyears boule Ram 5 x of Sam

3x-2 = 5(x-2)

3x-2=5x-10 16 ac 21 men

(x=4) > Samage

Ram present = 3x

= 3×4 = 12 years

2) 12 years ago, age of P was 3x age of O. After 12 years, ratur of ages of 0 to P will 2:3. What is present age of P.

Present -> +12 years
P (P+1) (P+13)

a (otis)

(P-12) = 3(Q-12)

P = 30-36-12

P+12 = 2 P+12 = 3

P=3Q-24

$$\frac{Q+12}{3Q-12} = \frac{2}{3} \Rightarrow 3Q+36 = .6Q-24$$

$$= \frac{20}{2}$$

3) Rohan is as much younger than Ajay as he is older than Meena. The sum of ages of Ajay and Meena is 108 years. How old is Roham.

Sob: Given: Meena < Rohan < Ajay

That is Roban is average of both Meenar and Ajcey age

4) Roban's age is 5x Ajay's and seven eighteenth of Meena's age. The sum of the ages of all three of them is 132 years. How much younger is Ajay to Meena?

Soln: Let Ajcey age be A

Ajay, Roban, neen Also given: A+8A+90A = 132

6 A +90 A = 13 2 -> 4 2 A +90 A = 132 X 7

=> 132A=+32X7 -> A= 7geap

Robon > 5 A -> 35 years

Meena= aoA = ao(4) => Aogean

How younger ayong is to Meena = 90-7

The Manny

= 83 years /

5) Ram and Shyamis any age 18 65 years. The average age of Ram, Shyam and John; s 5 3 years What is age of John?

Solo: Avg of Ramshyam = Ram-1 Shyam

$$b5 = \frac{R+S}{2}$$
 $\sqrt{R+S} = 1304$

Aug of Ram, Shyom, John = R+S+J

(30+J=159 J= 20 years

6) The average age of 10 students and their toucher is is years. The average age of the first 7 students is is your and that of last 3 is 11 years what is teacher's ages Solo: Augof 10stud + 1 tend = S10+T 15 = StotT \$38 = P/= + 84 S10+T=165 Aug of a stude $\frac{S7}{7}$ => $15 = \frac{S7}{7}$ Sund restudage = 105Similarly Sim of 3 studay = 33 Total Sun of students age=105+33

The goingest friend amongst them is 6 years old.

What was the average age of group at time of the birth

of youngest friend?

Aug 4 = 36 = S4 - 384 = 144

138 +T=165

/ T= 27 years

So st before 6 years (birth) > S3 = 144-24 -> 120 = Loyears

4) Average age of a family of 4 members was 19 years back. Birth of a new child kept the anggrang age of family same even today. How older is the child today?

Avg 4 = 19 = Su Su = 76 year

after 4 years it should +4×4 memb (16) So S4=92 years.

Now present Cone child birth Aug & 5 members = Same = 19.

S5 = Tot = 10 = S4(proved) + childerse

5 = 70 = 10 = S4(proved) + childerse

5 = 70 = 10 = 10

19 = 92 + child => 95-92

Childage = 3 years

86)

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Housepa it made them to expressed them is expressed

of front de garage for you

of yearsy friends

441 - 150 - 14 - 96. = 15 64

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