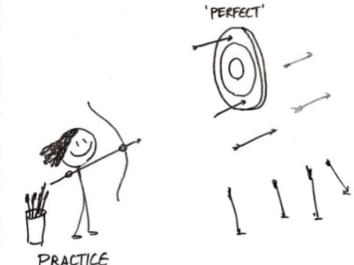
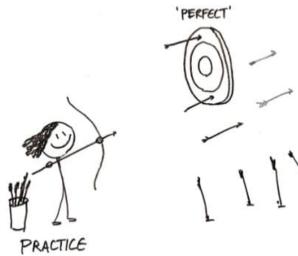
## Practice:

- Ratio of the earnings of A and B is 4:7. If the earnings of A increases by 50% and those of B decreased by 25%, the new ratio of their earnings becomes 8:7. What are A's earnings?
- Three persons A, B and C divide a certain amount of money such that A's share is Rs. 4 less than half of the total amount, B's share is Rs. 8 more than half of what is left and finally C takes the rest which is Rs. 14. Find the total amount they initially had with them?
- In 4 years Raj father will be twice raj age then, where as two years ago his mother was twice his age. If Raj is going to be 32 years old eight years from now then what is the sum of his parents age now.
- 4. At the end of 1994 Rohit was half as old as his grandmother. The sum of the years in which they were born is 3844. How old Rohit was at the end of 1999?



## Practice:

- 5. 10 years ago, the average age of 10 people was 33 years. After 3 years, a person of age 40 died. After another 3 years, another person of age 40 died. After another 3 years, another person of age 30 dies. Find the present average age.
- 6. After 6 years Raju's father's age will be twice that of the his age and 2 years ago, his mothers age was twice that of Raju's age. What is the sum of Raju's parents' age?
- 7. Six years ago Raj's father's age is 6 times the age of Raj. The difference of present ages is 35. What is the sum of their present ages?
- 8. A grand father has 3 grand children. Age difference of two children among them is 3. Eldest child age is 3 times the youngest child's age and the eldest child age is two year more than the sum of age of other two children. What is the age of the eldest child?



## Practice:

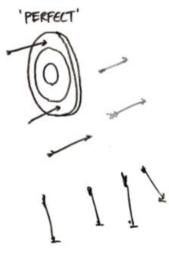
- A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?
- A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?
- 3. If 6 men and 8 boys can do a piece of work in 10 days while 26 men and 48 boys can do the same in 2 days, the time taken by 15 men and 20 boys in doing the same type of work will be?
  4. A does 80% of a work in 20 days. He they will in B. A. H. H.
- 4. A does 80% of a work in 20 days. He then calls in B and they together finish the remaining work in 3 days. How long B alone would take to do the whole work?



## · Practice:

- 5. A can finish a work in 18 days and B can do the same work in 15 days. B worked for 10 days and left the job. In how many days, A alone can finish the remaining work?
- 6. 10 women can complete a work in 7 days and 10 children take 14 days to complete the work. How many days will 5 women and 10 children take to complete the work?
- 7. Ravi and Kumar are working on an assignment. Ravi takes 6 hours to type 32 pages on a computer, while Kumar takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages?





	Age
DANG	Lot oniginal earnings be;
,	ALIX
	B- 7x
	Newcamings!
	· A -) 4x+50°100b 4x= 430+2x=62
	R > 7x - 25°10017x - 9x-(7)0/4)
	New Analia - 600: 2100/4 = 8:7 -) (600) ((2100/4) - 8/7
	-) CBXX4)(21x)-817
	(24x)(21x) = 817
	24/21-817 Jane.
	BURNE BILL
.'	A = 4x
	From enatio 6x: 21x14, take contabalence
	2016x-8K=)x-(4K13)
	Than A = Ax = 4 (4K13)=16K13
	1-11110
-	A=16K13)
6120	2 Let total - 7
SAN	* A - 1 V2)T-4
	* A = (42)T-4 · B = (42)T-((42)T-4)]+8
	· C - 14
. 1	Fam B: (42)[7-(142)7-4)].+8

COMPASS M T W T F S S Date: - (112) [(1/2) T+4]+8 = (14)T+2+8-(14)T+10 Now total-A+B+C T-((12))-4)+((14))+14 T- (3/4)T+20 -) T - (3/A) T - 20 (1/4) T = 20 -) T=80 8-Ans: Let Current agoot Raj - R DAPLER A yord, father=RHX > 2(RK Sofathers age = 2R+8 Also, 8 your from now, Rai = R+8-82) P-24 So, father - 2x24+8=56 Mother: 2 yors ago, age - 2R=48=) Now Sumof parents age - 56+50 = 106 you AANSE Let Rohitsage In 1999 = x Then grandmother - 2x so year of bist! · Rohit: 1999-X o Grandmother: 1999-2x Sam - 3844 (1999-x)+(1999-)x)=3844 =) 3998-3x-38-4 [X=51.33xxx]

SANS - 10 you ago, avg - 33 - To gal 30 - So, porose + Lotal - 330+10×10-436 Aften 3 your, 40-your old-dieses louise After 3 x22, another 400108-2 total-After 3yors, 30 year old dies a) tolder - +3x7-30-502/ Deople lebt = 7 50, aug = 502/7 - 71.7148/j GARGY Let Raju-X Father-YIMother-Z After 6 yers: y+6=2(x+6)-) y=2x+6 2 yers ago: 2-2=2(x-2)=)2-2x-2 Sum = y+2 = (2x+6)+(2x-2)=4x4: JANS - 6 yorlago: Fathor= 6x Daj =) y-6= -) y-6=6x-36 -) y = 6x - 30A190 : 4-X-35 Substitute: (6x-30)-x=85=)5x=15 =)x=13/

MINO Date:

Then, y = 6x13-36-48

Sum= x+y=13+48-61 8Ans: Let youngest - x Then, elder = 3x Also, eldolf - middle you gest) + 2 3x - x + m + 2 m-3x-x-2-2x-2 age: youngest - x middle = 2x-2 Eldelt = 3x 1 Sum = x +20c-2+3x-6x-2, only hed edder 13x, Time & work DANS- A'S Iday work = 120 11 1 B's 12ay work = 430 C'S (day work - 160 : 1 B+ (5 1day work = 1/30+1/60 = (2+1)/60 Cyde of 3 days: For 2 days -> A work solone: 2 x 1/20 = 1/10 on 38d day ) A+ B+C work to gether: 420+430+460-6160-1/10 1 30, every 3 day workdone - 410+1/10= 45 =) lish of & would (c) will be do noin 3x5=15

M T W T F S S Pemaining work = 2010=1/5 -) work done by B miday = 45-3/25 => B'8 Iday work = 2/25 + 3 = 2/75 -) Full work - 1-(2175) = 75/2=375das SAMILA'S Iday work - 1/18 B\$ 1-day work = 115 In 10 days, Bdid-10x 415-217 =) work renaining 21-213=1/3 Atales = (1/3) + (4/8) - 6 days, and lowomen - Iworkh 7 days - I day work-1/7

Diwone=1/70

Tochildren=1workin14days-)1child - 1140 Now, Swomen + rochildrens 5x1/70+10x1/140=1/7 THALE Fdays Jans Combined rate = 1613+8=(16+2+)/3 - 4013 pagel 12 where Kerartypes 40 pages In Short 2/8 pagestly Time - 110+ (4013) - 110×3(40= 8.25 kg -Show (Sminute)