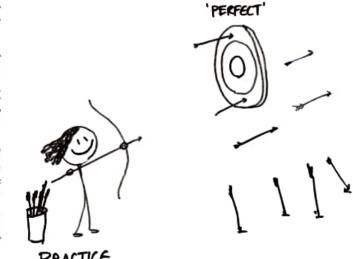
Practice:

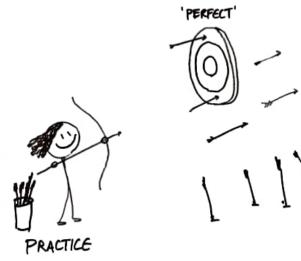
- Ratio of the earnings of A and B is 4:7. If the earnings of A increases by 50% and those of B decreased by 25%, the new ratio of their earnings becomes 8:7. What are A's earnings?
- Three persons A, B and C divide a certain amount of money such that A's share is Rs. 4 less than half of the total amount, 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.

 At the end of 1004 Rebit was half as old as his grandmether.
- 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?



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Date: 27/06/2025

1. A: B = 4:7

$$\frac{41 \times 1.5}{7 \times 1.75} = \frac{8}{7}$$

Not possible to find A's earning.

2. Total = x

$$A \rightarrow \frac{\chi}{2} - 4$$

$$c \Rightarrow \chi - \left[\frac{\chi_{2} + 4}{2} + 8 \right] - \left[\frac{\chi_{2} - 4}{2} - 4 \right] = 14$$

$$\Rightarrow 2\chi - \frac{\chi_{2}}{2} - 4 - 16 - \frac{2\chi_{1}}{2} + 8 = 18$$

$$\Rightarrow \chi - \frac{\chi_{2}}{2} = 40$$

 $b \rightarrow \frac{\chi}{2} + 4 + 8$

 $\frac{1}{1} = \frac{2}{2} + 8 = 14$ $\frac{2}{2} + 8 = 14$ \frac

3. Raj age = 32-8 = 24 y

Father age = (2(24+4) 1-4) = 52y Mother age 2(2(24-2)+2) = 46y

i. Total = 24+ 52+ 462 1224 Parents = 98 y

4 Birth year Rohit →R Grandma - G

.. In 1994 > Robit > (1994-R) y arand > (1994- a) y

Now, (1994-6i) 2 2 (1994-R)

=> G= 2R-1994 Again, R+G 2 3844

R+ (2R-1994) 2 3844

R = 1946

Rohit Age = 1999-1946 = 53 y

5) 10 y age > Total Age = 330 y

After 3y => Total Age = 330-40+10x3

= 343 = 300 30

After 3y > 36tal Age = 320 - 40 + 9x3 (Total 6%) = 3074 y

(Tolal 9y) > Total Age = 307 - 30 + 8×3 After 3y = 2927 = 301 y

(Present) > Total Age = 301 + 7x1 After 1y = 200 308

Arg Age = 308 = 444

Raju's age: R

Raju's age: R

Raju's age:
$$2(R+6)-6$$
 y

Mother: $2(R-2)+2$ y

:. Father + Mother: $2(R+6)-6+2(R-2)+2$
 $= 2R+6+2R-2$
 $= 4R+4$

Incomplete details in aneshion

7] Raj's age= R
$$\rightarrow$$
 35 13

Father age = $6(F-6)+6 \rightarrow 48$

Condition: $6(R-6)+6-R = 35$

= 36R - 30 - R = 35

$$Sum = 13 + 48 = 61 y$$

A > 32 years