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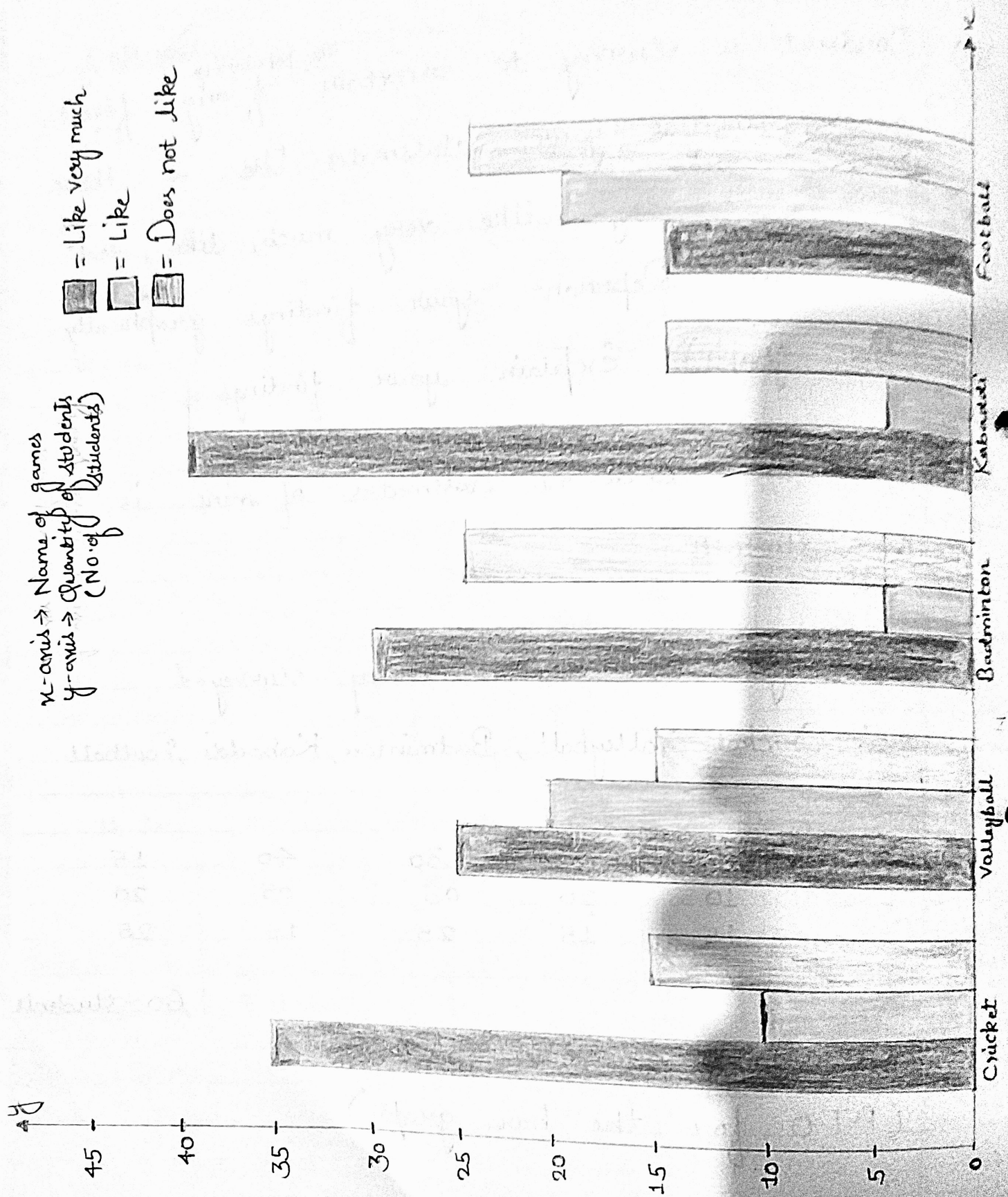
Q.1) Conduct a Survey to ascertain ^{the popularity} of any five games amongst your classmates. Use a three point scale, e.g. like very much, like, does not like. Represent your findings graphically (Bar graph). Explain your findings

Soln:- Let the total no. classmates of mine is 60 students.

The games that are being surveyed are: Cricket, Volleyball, Badminton, Kabaddi, Football

Scale	Cricket	Volleyball	Badminton	Kabaddi	Football
1) Like very much	35	25	30	40	15
2) Like	10	20	05	05	20
3) Does not like	15	15	25	15	25
Total =					60 students

(P.T.O for the bar graph)



No. of students →

Name of games →

- 2) Conduct a Survey of group of students (6 students) and represent it graphically - Height, Weight, No. of family members, Pocket Money, Expenditure & Saving from pocket Money

Sam: > Height Chart of 6 Students

Student - 1	66 inch
Student - 2	67 inch
Student - 3	61 inch
Student - 4	65 inch
Student - 5	60 inch
Student - 6	59 inch

(P.T.O for Chart)

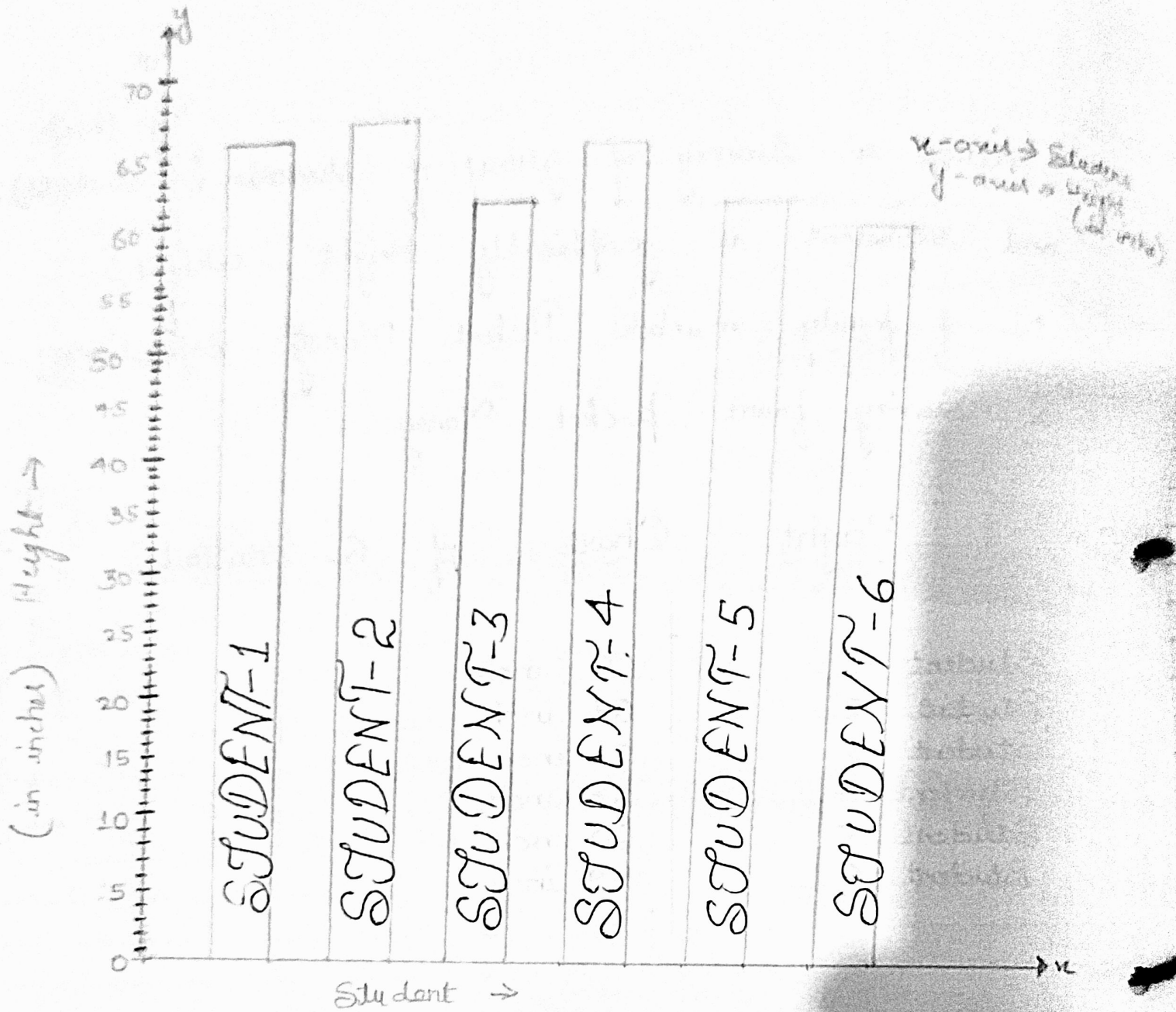


Chart of Weight of 6 Students

Student - 1	48 kg
Student - 2	52 kg
Student - 3	49 kg
Student - 4	45 kg
Student - 5	55 kg
Student - 6	57 kg

(P.T.O for the chart of Height)

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x-axis $\rightarrow$ Students
y-axis $\rightarrow$ Weight
(in kg)

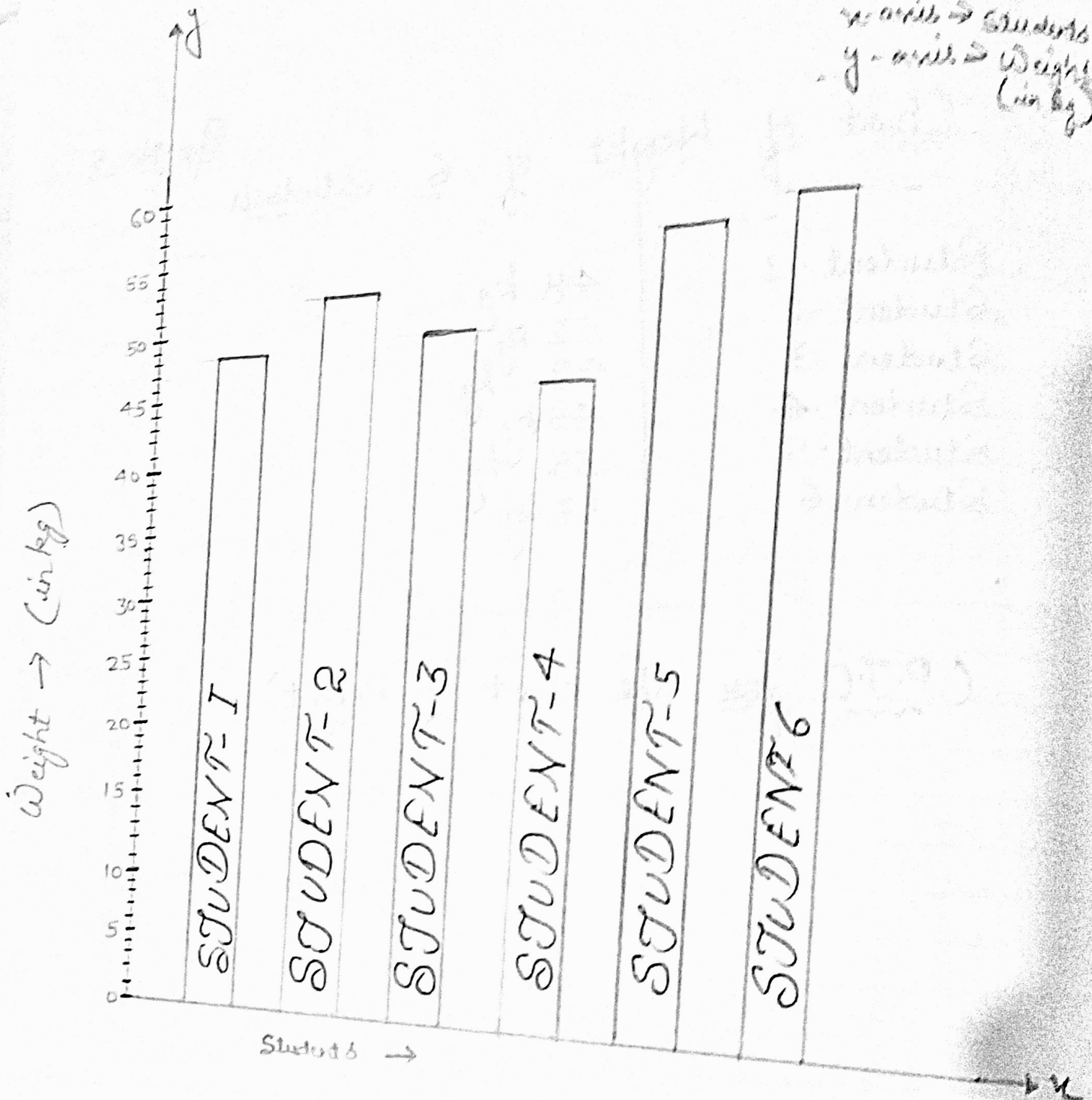


Chart of Family Members of 6 Students

Student - 1	6
Student - 2	10
Student - 3	12
Student - 4	4
Student - 5	8
Student - 6	9

(P.T. for the ^{home group} chart of family members)

x-axis → Students
y-axis → No. of family members

Weight → (in kg)
(No. of family members) →

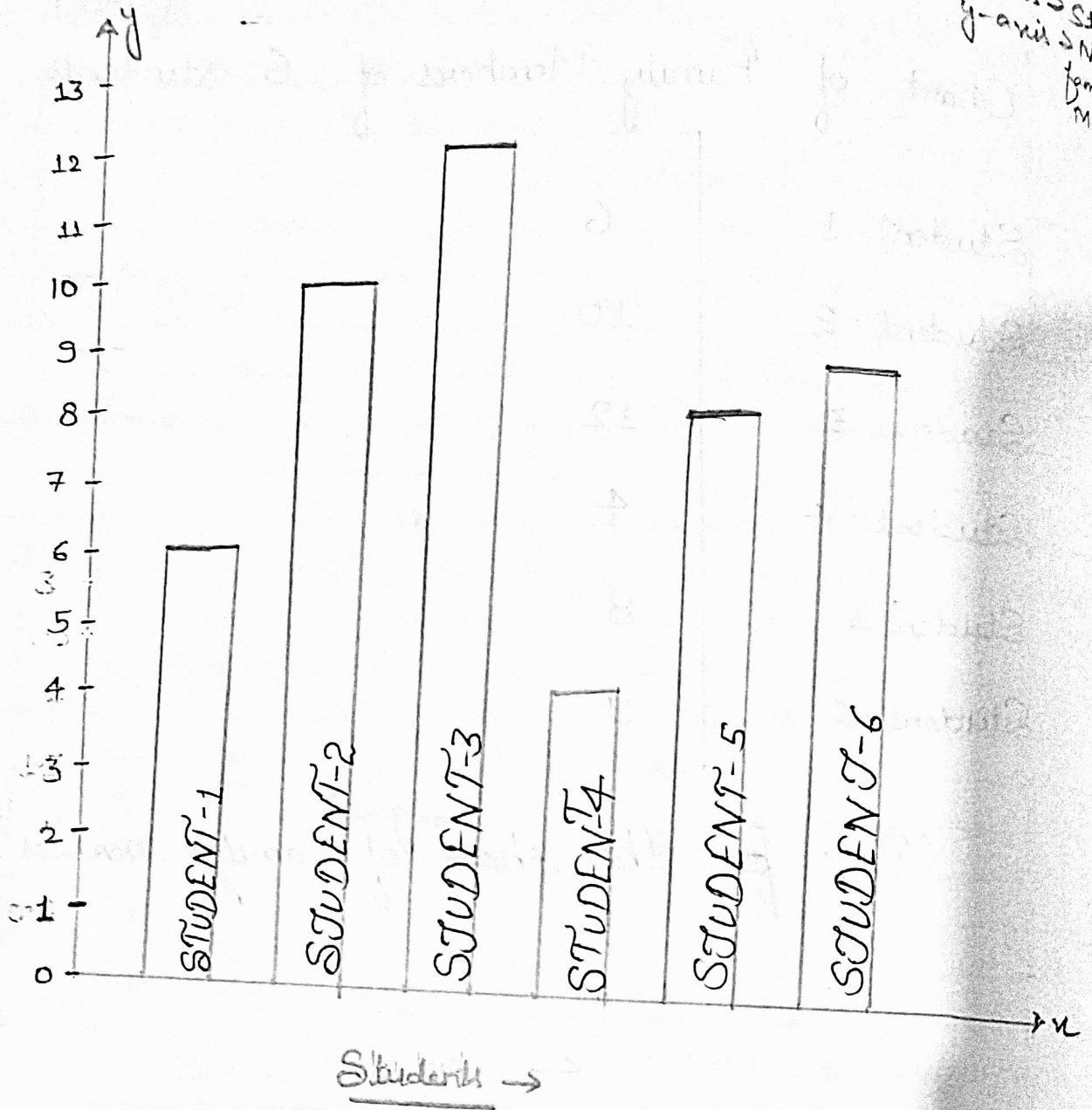


Chart of pocket money of 6 students

Student - 1	₹ 30
Student - 2	₹ 20
Student - 3	₹ 50
Student - 4	₹ 70
Student - 5	₹ 10
Student - 6	₹ 100

(Please Turn Over for the bar graph of pocket money of 6 students)

x-axis → Students
y-axis →

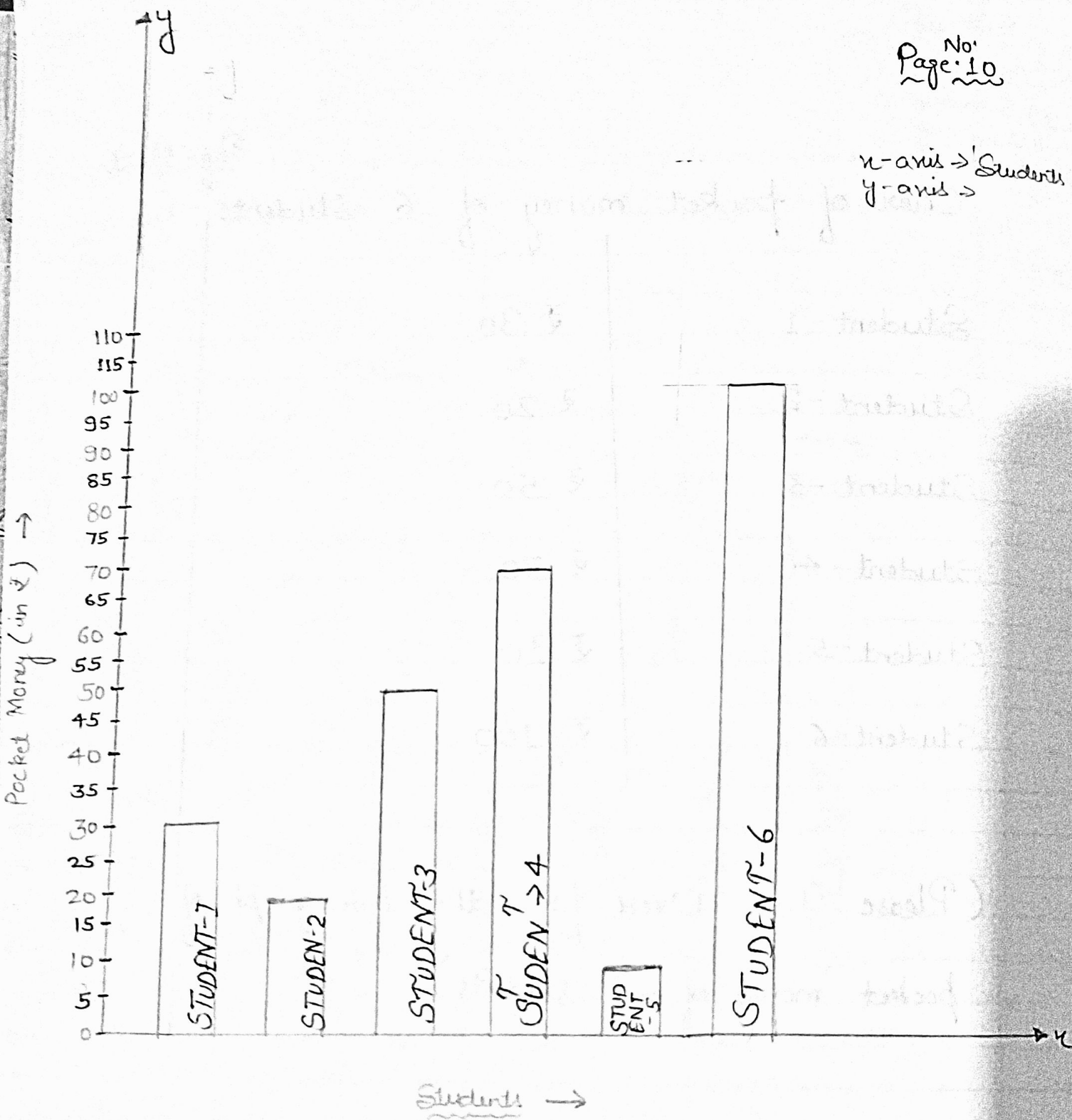


Chart of Expenditure of 6 Students

Student-1	₹ 20
Student-2	₹ 15
Student-3	₹ 25
Student-4	₹ 50
Student-5	₹ 5
Student-6	₹ 75

(Please Turn Over for the chart of
Expenditure of 6 Students)

No. of students
Expenditure (in)

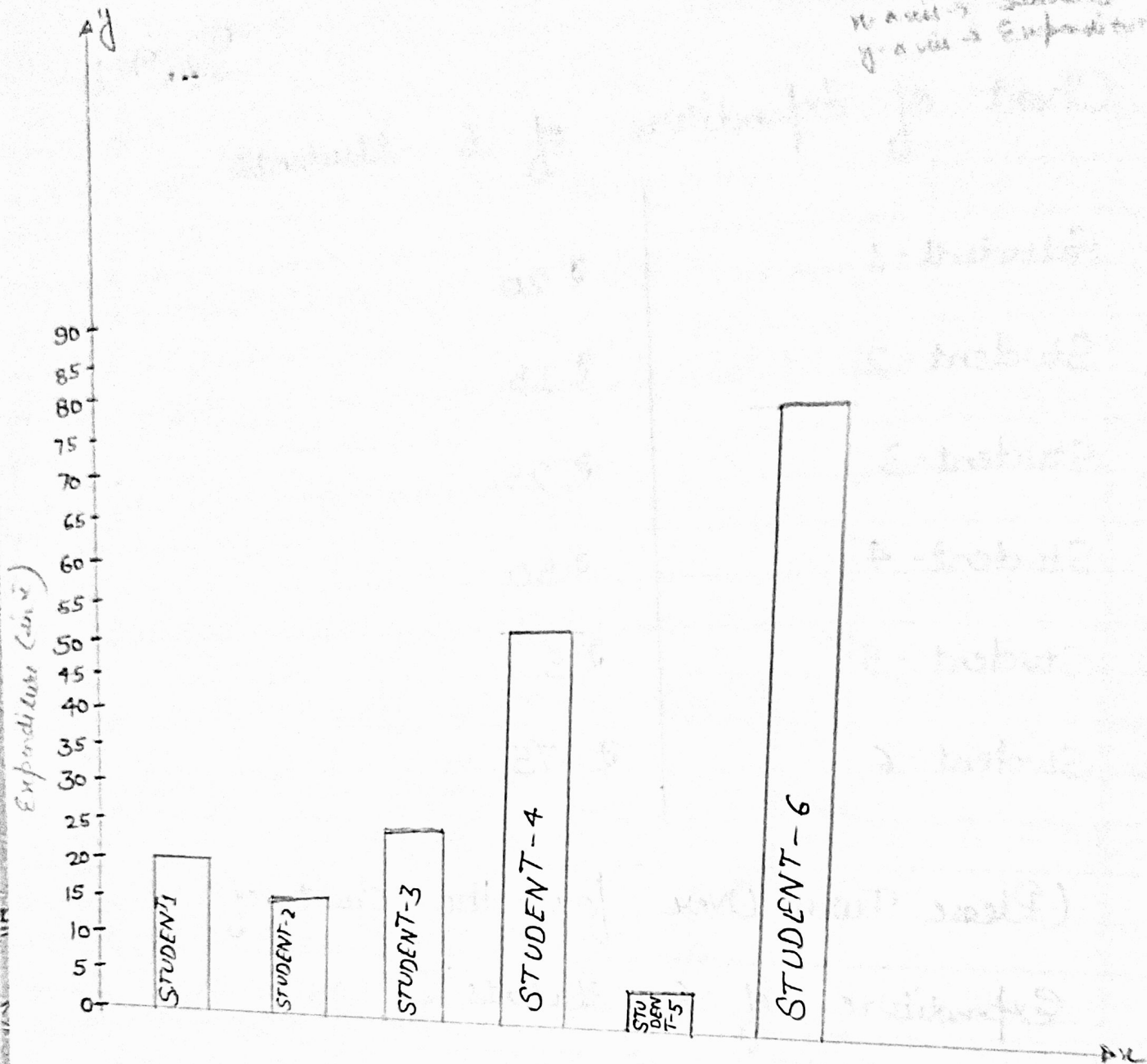


Chart of Saving from pocketmoney of 6 Students.

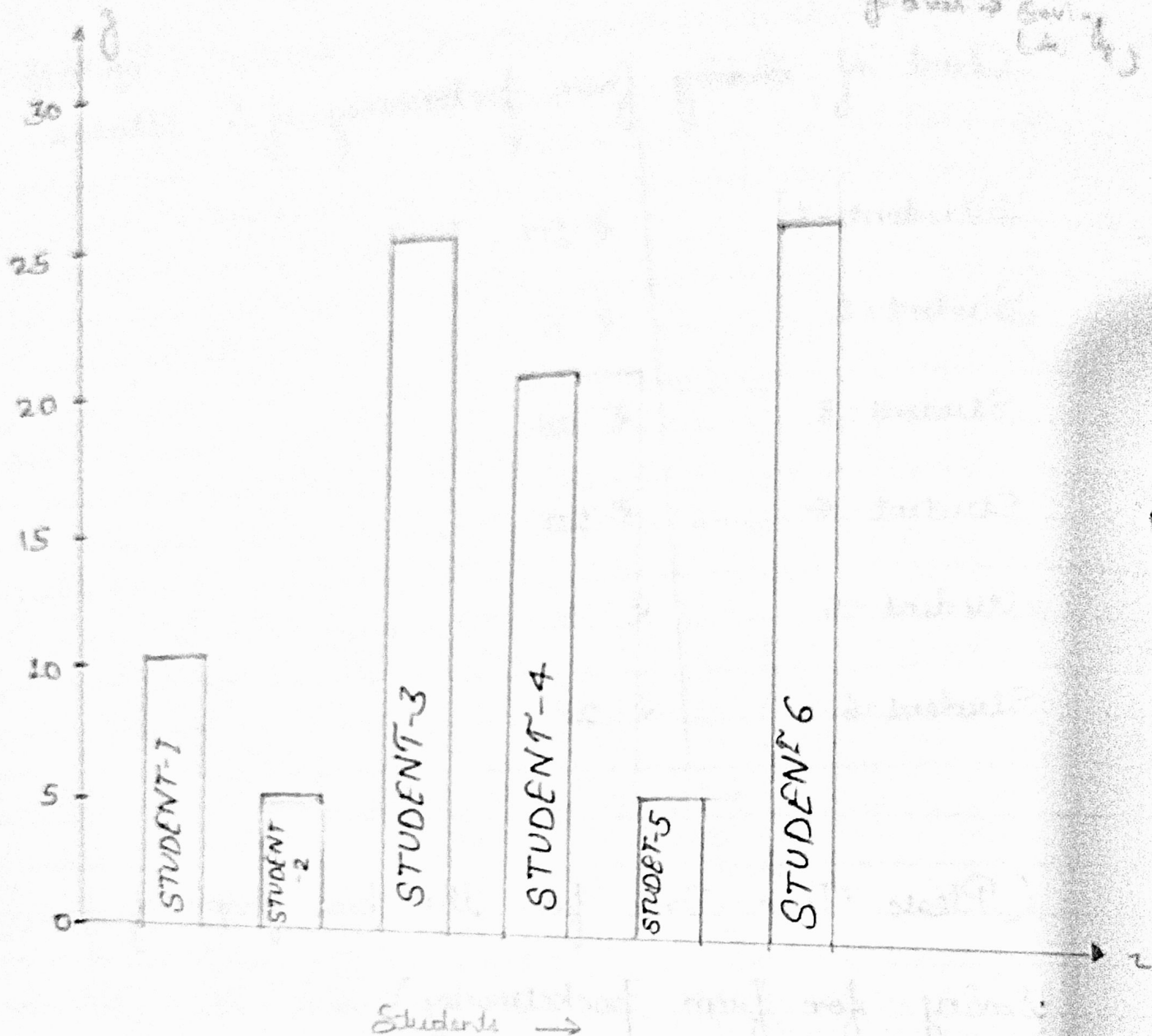
Student - 1	₹ 10
Student - 2	₹ 5
Student - 3	₹ 25
Student - 4	₹ 20
Student - 5	₹ 15
Student - 6	₹ 25

(Please Turn Over for the bar graph of
Saving from pocketmoney).

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Bar chart is a graphical
representation of data
(in the form of bars)

Saving from pocket money (in ₹) →



3) You have rupees one lakh to spend on your dream vacation to Europe.

Budget this vacation (check the correct conversion rate) and plan the following.

•> Countries you are going to visit (you must visit 2 countries)

•> No. of days you will stay in each country.

•> How much currency you need in each country.

Assume that your tickets from India to any two countries in Europe and back would cost Rs. 45000. The boarding, lodging and travel expenses for each country per day would be 50 units of currency of that country that you will visit. Show your calculations taking into account the current exchange

state for individual currencies that would be visited. You must show all the calculations.

Soln: $\Rightarrow$ First of all, the two countries that I would visit be the European countries i.e., Australia, Germany

$\Rightarrow$ As given, visiting the two European countries and coming back would cost ₹ 45,000. Therefore the remain money $\Rightarrow$ ₹ 1,00,000 - ₹ 45,000 = ₹ 55,000

The remain balance = ₹ 55,000
for expenditure in 2 countries

Firstly, I would like to visit Germany.

$$\therefore 1 \text{ Euro (€)} = ₹ 84.84$$

$\therefore$ According to the condition, the boarding, lodging and travel expense would be 50 units per day.

$\therefore$ I would like to stay in Germany for
a week ($= 7$ days)

$$\therefore 1 \text{ Euro (€)} = ₹ 84.84$$

$\therefore$ 7 days

$$\therefore 50 \text{ Euro (€)} = ₹ 84.84 \times 50 \\ = ₹ 4242$$

(In Germany, cost of 1 day for boarding,
lodging and travel expenses to ₹ 4242)

$$\therefore 7 \text{ days costs} = ₹ 4242 \times 7 \\ = ₹ 29694$$

$\therefore$ The remain balance would be :-

Total balance - Germany ^{expenditure} ~~travel~~ expense

$$= ₹ 55000 - ₹ 29694$$

$$= ₹ 25306$$

$\therefore$ Secondly, I would like to visit the
country i.e., Australia.

$$\therefore 1 \text{ Australia Dollar} = ₹ 51.91$$

$\therefore$ According to the given condition, each country costs 50 units of the currency of that country for boarding, lodging and travel expense.

$\therefore$ I would like to stay in Australia for 9 days.

$$\therefore 1 \text{ AUD (\$)} = ₹ 51.91$$

$$\therefore 50 \text{ AUD (\$)} = ₹ 51.91 \times 50 \\ = ₹ 2595.5$$

(In Australia, cost of 1 day for boarding, lodging and travel expenses to ₹ 2595.5)

$$\therefore 9 \text{ days cost} = ₹ 2595.5 \times 9 \\ = ₹ 23,359.5$$

$\therefore$ Remain Balance after dream vacation to Europe would be ₹ 1946.15

The given questions & the answers after

the calculation :-

➤ Countries you are going to visit (you must visit two countries) ?

Ans → Germany and Australia

➤ Numbers of days you will stay in each country ?

Ans → 7 days in Germany,
9 days in Australia

➤ How much currency you need in each country ?

Ans → Germany → ₹ 29694.0

Australia → ₹ 23359.5

(Remain balance after visiting both countries)

$$\begin{aligned} & ₹ 55000 - (₹ 29694 + ₹ 23359.5) \\ & = ₹ 55000 - 53053.5 \\ & = ₹ 1946.5 \end{aligned}$$

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BUDGET CHART

My Budget & Expense	Where my expense is going?
Total Budget ₹100000	Transportation ₹45000 45%
Total Expense ₹98053.5	Lodging ₹35350 35.9%
Remain Budget ₹1946.5	Boarding ₹10800 10.8%
	Travel ₹6353.5 6.3535%
	Remain ₹1946.5 1.9465%

