



Summer Fields School

KAILASH COLONY, NEW DELHI-110048

Academic Session – 2021-2022

CLASS IV

MATHEMATICS

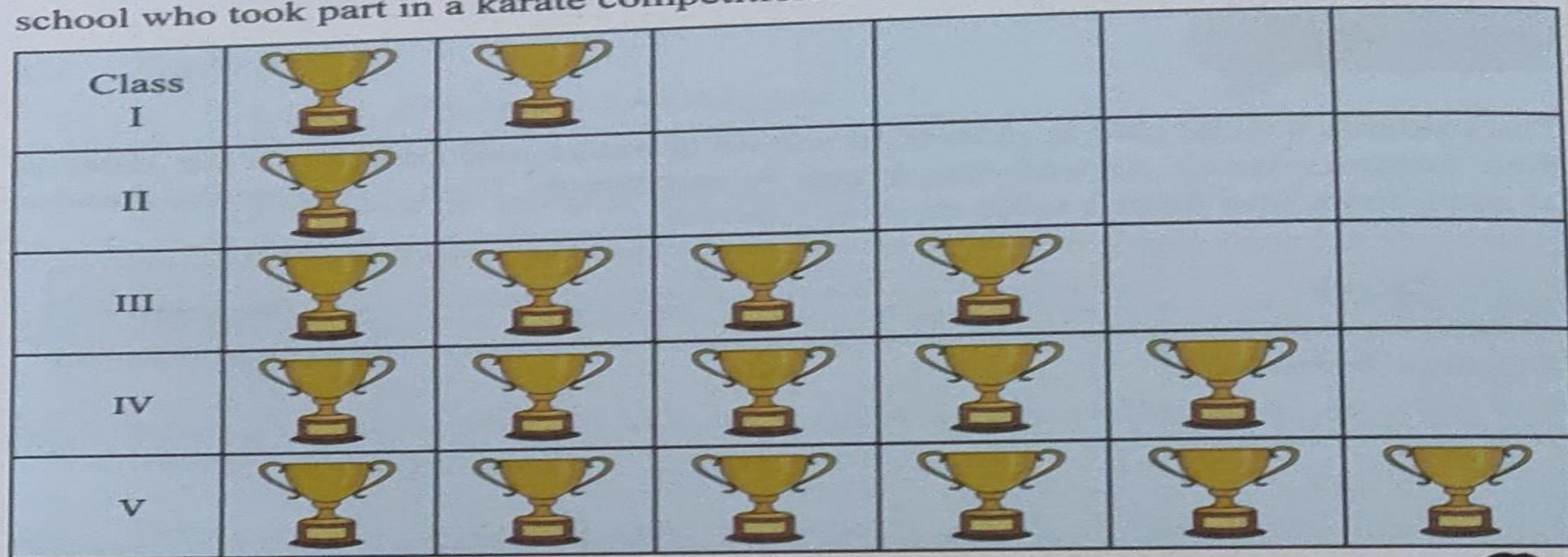
TOPIC- HANDLING DATA -1

PICTOGRAPH (To be done in the notebook)

- A pictograph uses pictures or symbols to show numbers and represent information.
- Pictograph is easy to compare the information at a glance.
- A pictograph always has a title, it may also have a note explaining the picture .

SOLVED EXAMPLES

Look at the picture graph which shows the number of students in each class of a Junior school who took part in a karate competition and won awards for different events.



From the above pictograph, we find that:

1. The maximum number of winners are from **class V**.
2. The least number of winners was from **class II**.
3. The class with one winner less than class IV is **class III**.
4. The total number of awards won by the students is **18**.
5. The class which got two awards is **class I**.



BAR GRAPH (To be done in the notebook)

- A bar graph uses bars to represent information.
- Like a pictograph, a bar graph also helps us compare information.
- All the bars in a bar graph should have the same width and should be shaded or coloured .



BAR GRAPH

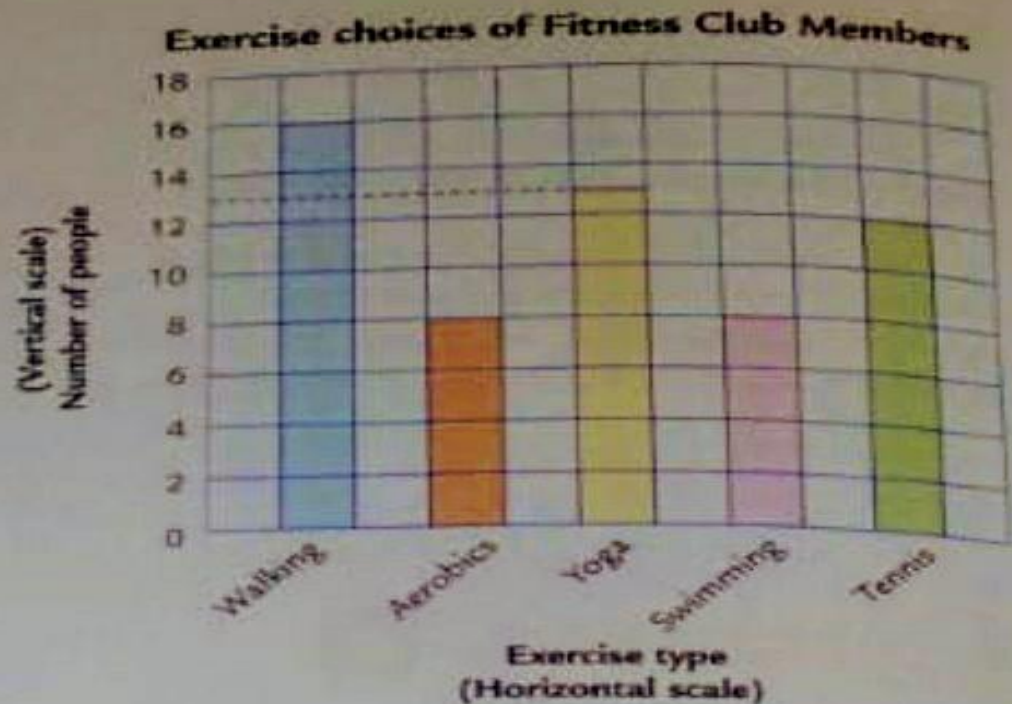


Vertical Bar Graph

Exercise is important for everybody. The bar graph below shows the type of exercise that people from the Fitness Club chose to do.

- Each square represents 2 people.
- Each bar represents the number of people who chose the exercise named below the bar.
- The tallest bar here is the walking bar. 16 people chose walking as their preferred exercise.

Use a ruler across the bar to make sure you are reading the numbers correctly.

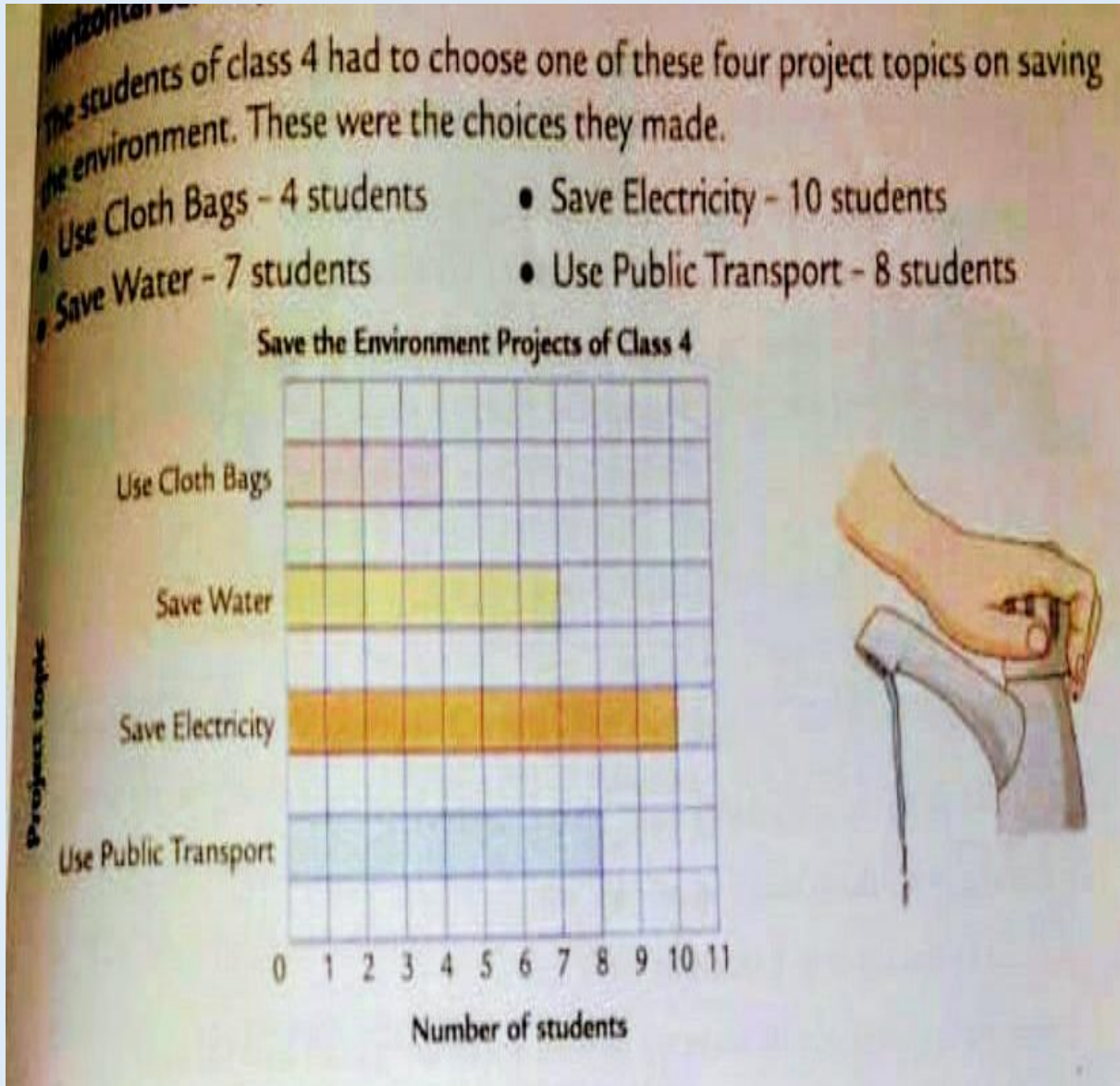


- Aerobics and swimming have bars of equal height showing that both are equally popular.
- The yoga bar goes up to the middle of 12 and 14 on the vertical scale. So 13 people chose to do yoga.



Horizontal Bar graph

(To be done in the notebook)



Q1) Read the bar graph and answer the questions.

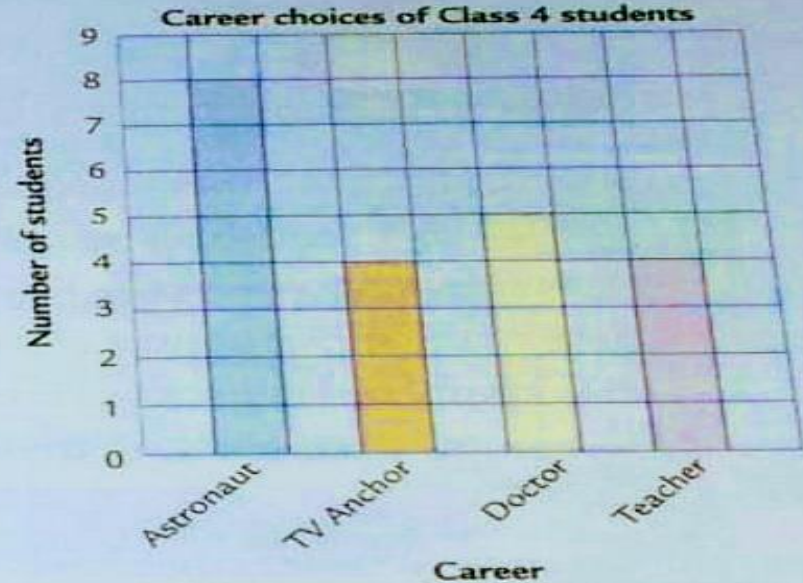
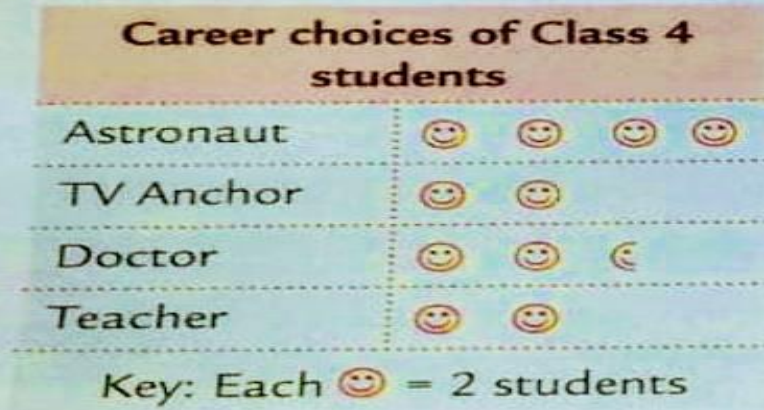
- Which was the most popular topic? How many students chose that topic?
- How many more students chose 'Save Water' over 'Use Cloth Bags'?
- How many less students chose 'Save Water' over 'Use Public Transport'?

- Save electricity was the most popular topic . 10 students chose this topic.**
- 3 more students chose 'save water' over 'use cloth bags'.(7-4 = 3)**
- 1 less student chose 'save water' over 'use public transport'(8-7=1)**

(To be done in the notebook)

Q2) Study both the graphs to answer the following questions :

Career choices of the students of Class 4 are shown here.



Study both graphs to answer these questions.

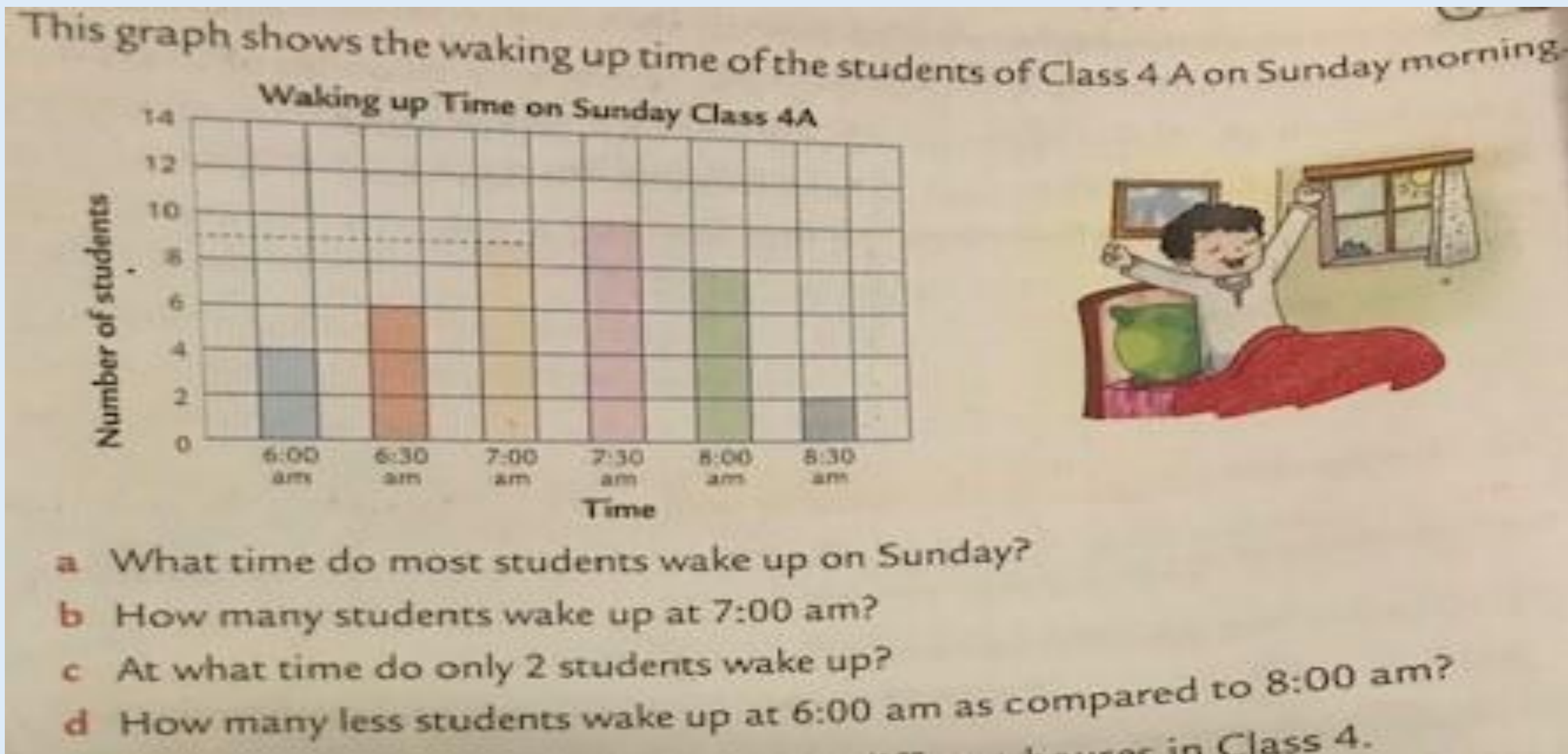
- 1 Which is the most popular career choice?
How many students chose it?
- 2 Which two career choices are equally popular?
- 3 How many students are there in the class?
- 4 How many more students want to become doctors than teachers?
- 5 How many students are represented in ☺ ?
- 6 What is the title of the graph?

ANSWERS:

- 1) The most popular career choice is astronaut. 8 students chose it.
- 2) TV anchor and teacher are equally popular.
- 3) There are 21 students in the class .
- 4) 1 more student wants to become doctor than teacher .
- 5) 1 student
- 6) The title of the graph is ' Career choices of class 4 students '

(To be done in the notebook)

Q3) Study the graph to answer the following questions :

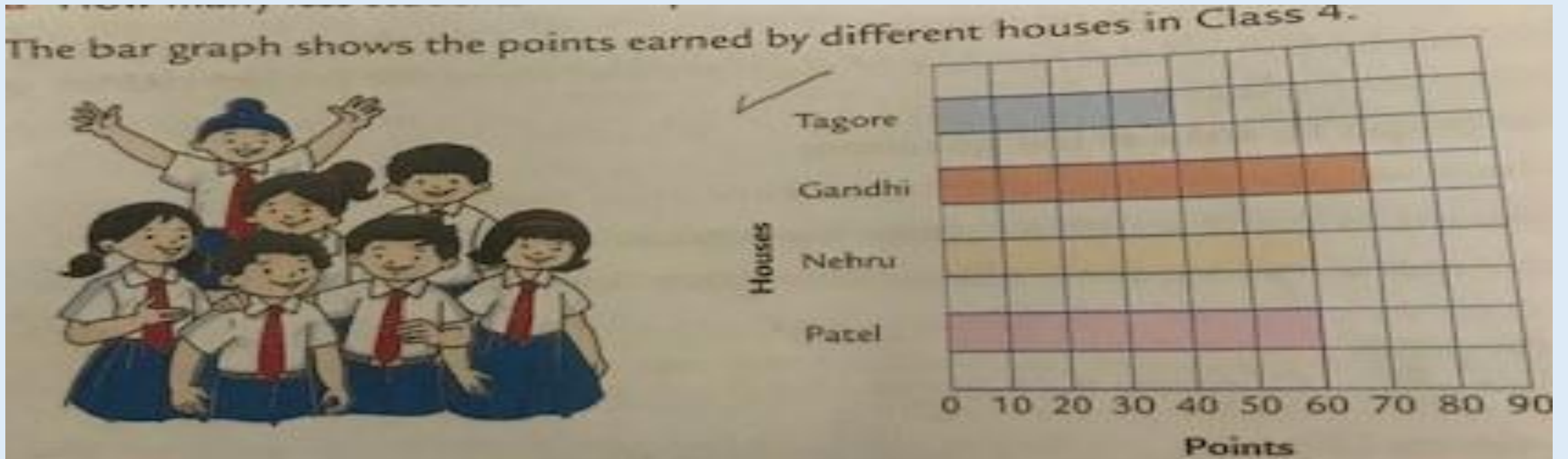


ANSWERS:

- a) The most students wake up at 7:30 a.m.
- b) 9 students wake up at 7:00 a.m.
- c) At 8:30 a.m. only two students wake up.
- d) 4 less students wake up at 6:00 a.m. than 8:00 a.m.

(To be done in the notebook)

Q4) Study the graph to answer the following questions :



- Give the bar graph a title.
- Which house got the most points? How many?
- Which house got the least points? How many?
- Which two houses got the same points?
- How many less points than Gandhi house did Nehru house get?

ANSWERS: (To be done in the notebook)

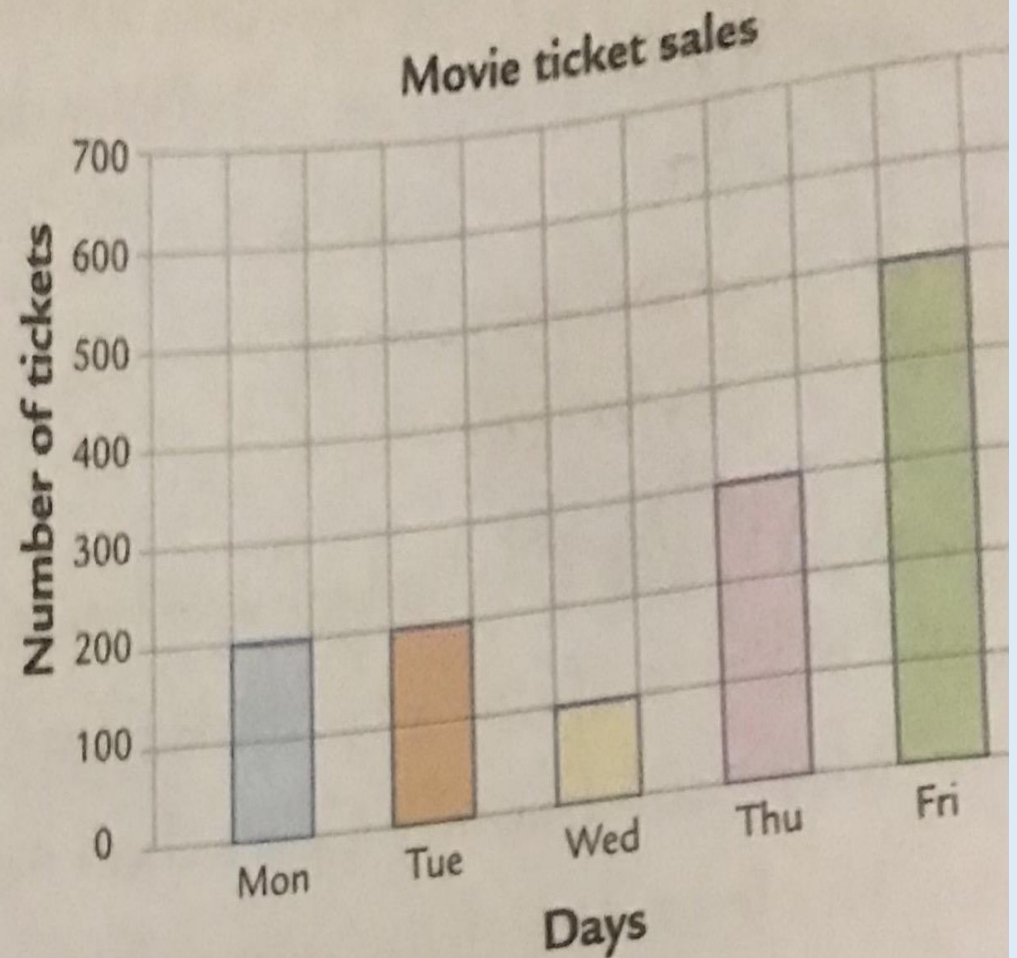
- a) House points of class 4 students
- b) Gandhi house got the most points i.e 70 points.
- c) Tagore house got the least points i.e 40 points.
- d) Nehru and Patel house got the same points.
- e) Nehru house got 10 less points than Gandhi house.

(To be done in the notebook)

Q5) Study the graph to answer the following questions :

Study the graph and answer the questions.

- a On which day was the least number of tickets sold? How many?
- b On which two days were the same number of tickets sold?
- c On which day were the maximum number of tickets sold? How many?



ANSWERS:

- a) On Wednesday was the least number of tickets sold i.e 100 tickets.
- b) On Monday and Tuesday, same number of tickets were sold.
- c) On Friday was the maximum number of tickets sold i.e 500 tickets.