

CH13: SMARTCHARTS

BARGRAPH

MATHS COPY1

20/1/22

1)

a) 😊 → shows 5 students

| VACATION SPOTS | No. OF STUDENTS | FREQUENCY |
|----------------|--------------------|-----------|
| ZOO | 😊 😊 | 20 |
| AMUSEMENT PARK | 😊 😊 😊 😊 😊 😊 😊 😊 | 40 |

OR

b) 😊 → Shows 10 students

| VACATION SPOTS | No. OF STUDENTS | FREQUENCY |
|----------------|-----------------|-----------|
| ZOO | 😊 😊 | 20 |
| AMUSEMENT PARK | 😊 😊 😊 😊 | 40 |

2)

☒ → Shows 10 marks

| No. OF STUDENTS | MARKS OBTAINED | FREQUENCY |
|-----------------|---------------------|-----------|
| ANIL | ☒ ☒ ☒ ☒ ☒ | 50 |
| SHIMMA | ☒ ☒ ☒ ☒ ☒ ☒ ☒ | 70 |
| ROHIT | ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ | 85 |
| RITU | ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ | 90 |

a) Ritu obtained Maximum marks

b) Anil Obtained least marks

c) Difference: $90 - 50 = 40$

3)

🍦 → Shows 5 children

| VARIETY OF ICE-CREAMS | No. OF CHILDREN | FREQUENCY |
|-----------------------|-----------------|-----------|
| CHOCOLATE | 🍦 🍦 | 10 |
| BUTTERSCOTCH | 🍦 🍦 🍦 🍦 | 20 |
| STRAWBERRY | 🍦 🍦 🍦 | 15 |

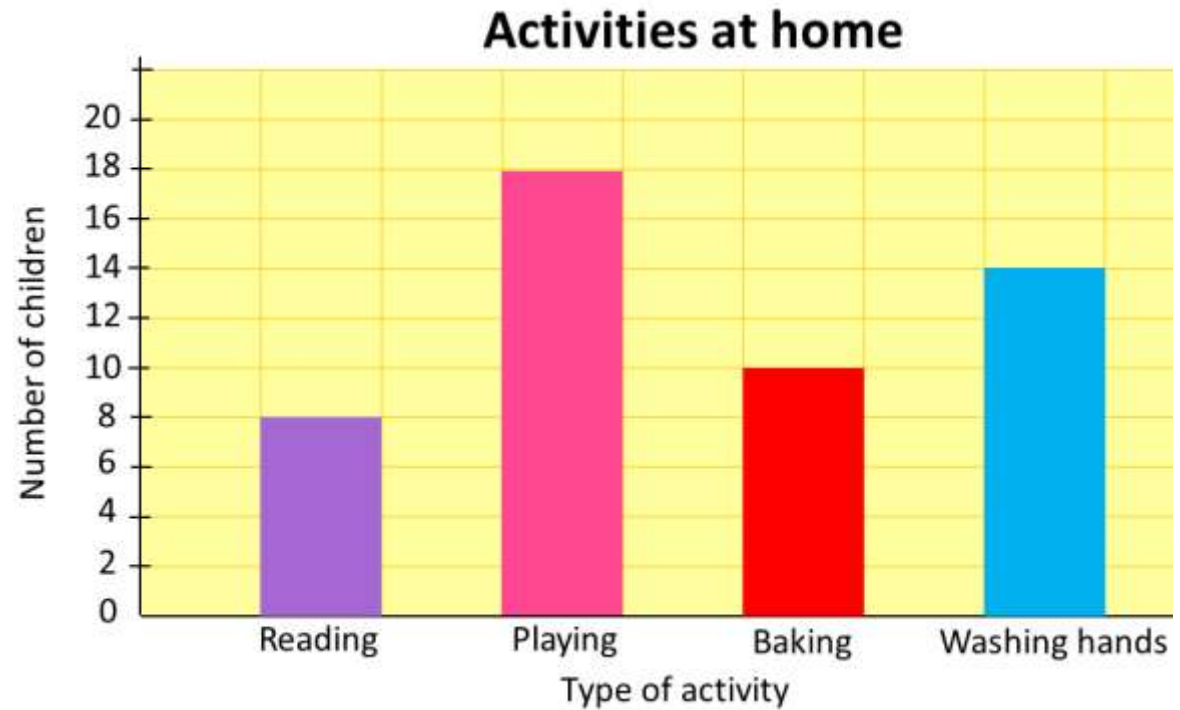
a) Butterscotch most liked Flavour

b) Chocolate least liked flavour.

BAR GRAPH

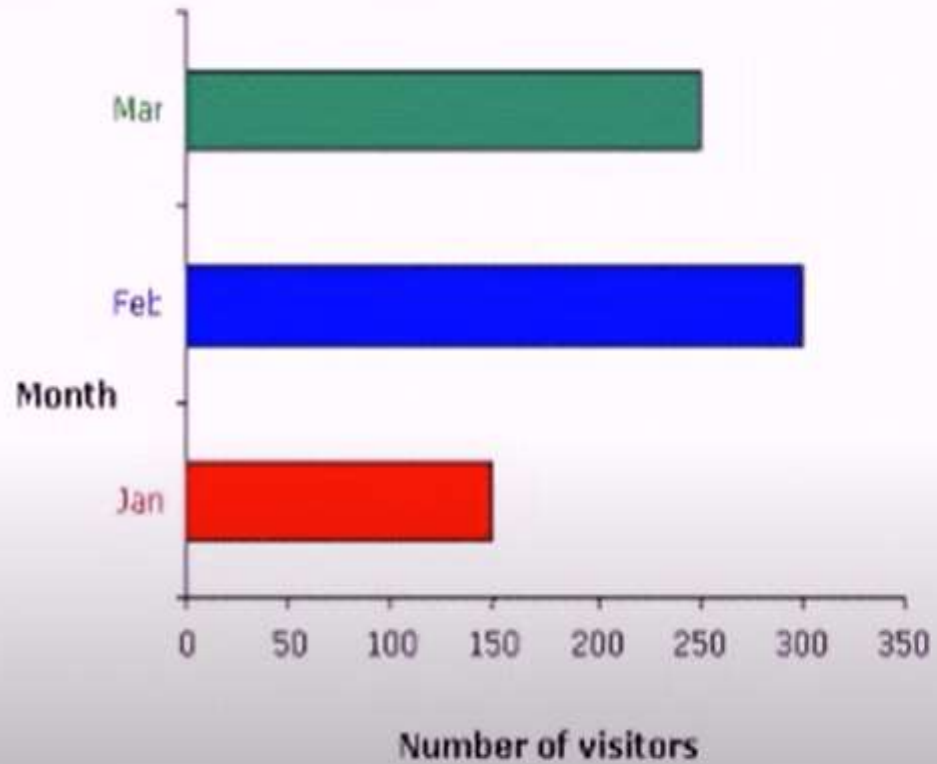
A bar graph is a graph with rectangular bars with lengths and heights proportional to the values that they represent.

- The bars can be plotted vertically or horizontally.
- Vertical bar graph is called as column graph.

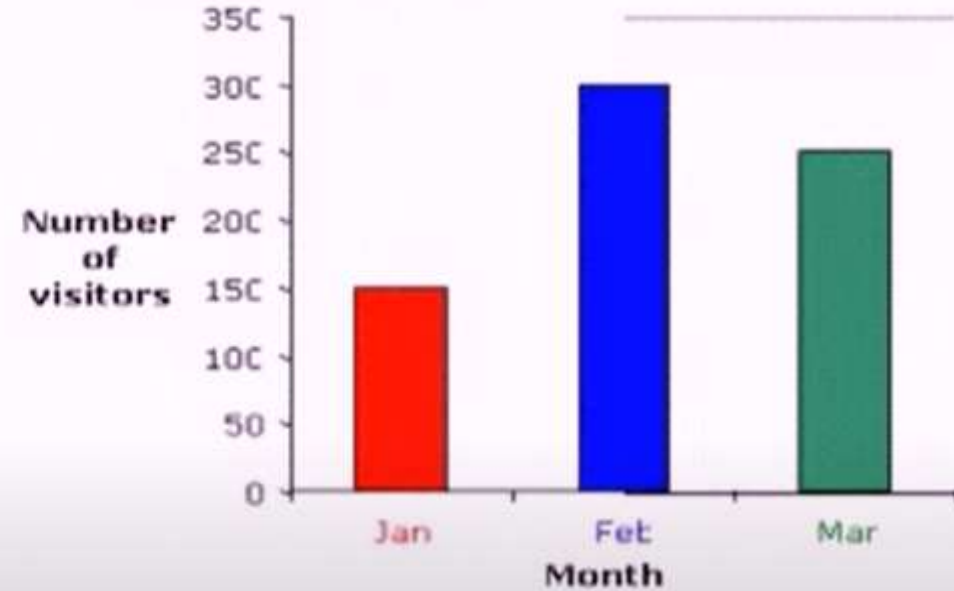


Examples:

Horizontal bar chart



Vertical bar chart



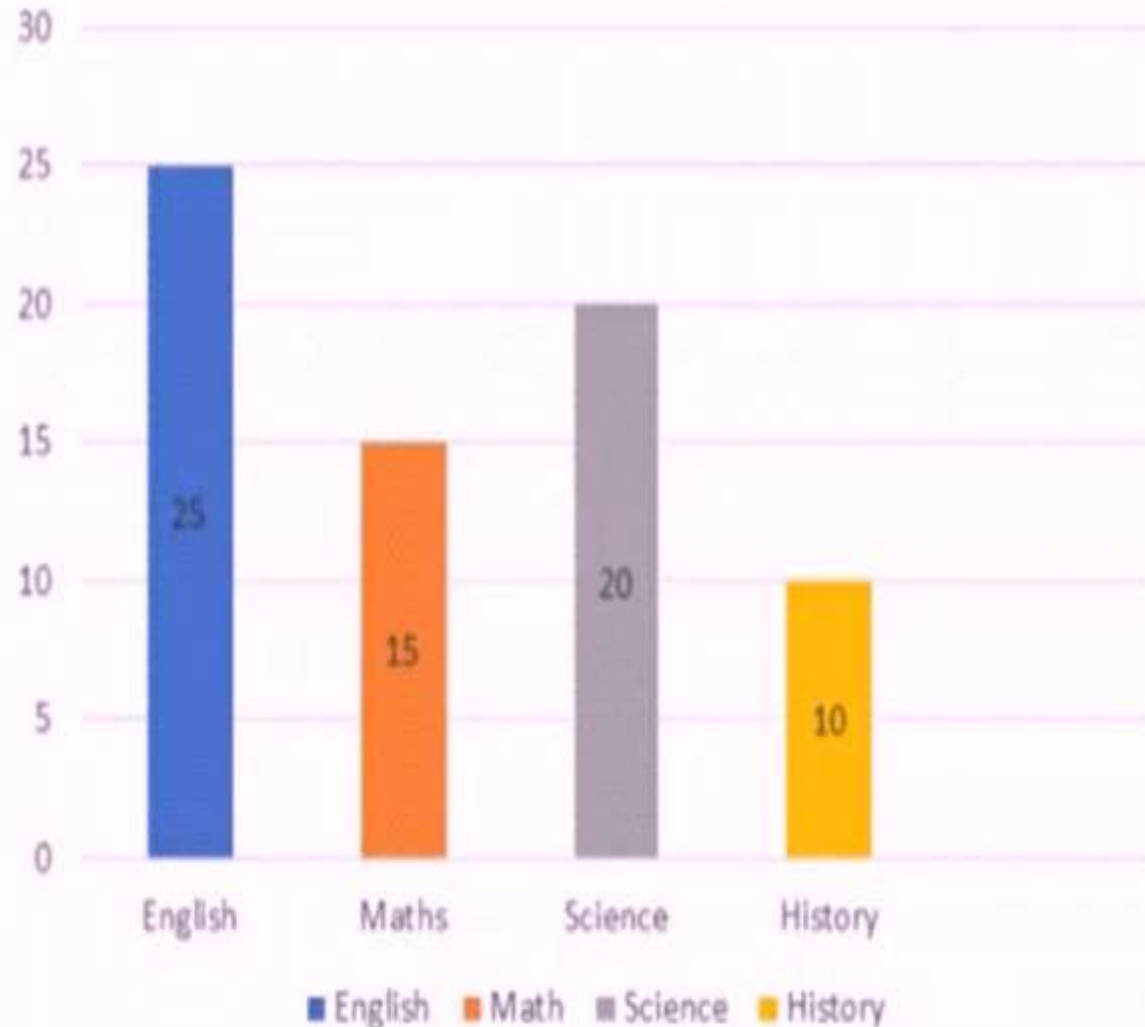
**Ex 1 : ANSWER THE FOLLOWING QUESTIONS
WITH THE HELP OF GRAPH:**



- a) How many goals did Jason score? 5
- b) How many goals did Camila score? 4
- c) How many goals did Ethan score? 8
- d) How many goals did Trinity score? 7
- e) Who scored the most goals? Ethan
- f) Who scored the fewest goals? Camila
- g) Who scored more goals, Jason or Trinity? Trinity
- h) Who scored fewer goals, Camila or Ethan? Camila
- i) How many more goals did Trinity score than Camila? 3
- j) How many more goals did Ethan score than Trinity? 1

Q. Help Miss. Anna to find out what are the favorite subjects of her students. Use the graph to answer the questions.

Favorite Subjects



1) How many students like english?

2) How many students like math?

3) How many students like science?

4) How many students like history?

5) What is the most favorite subject?

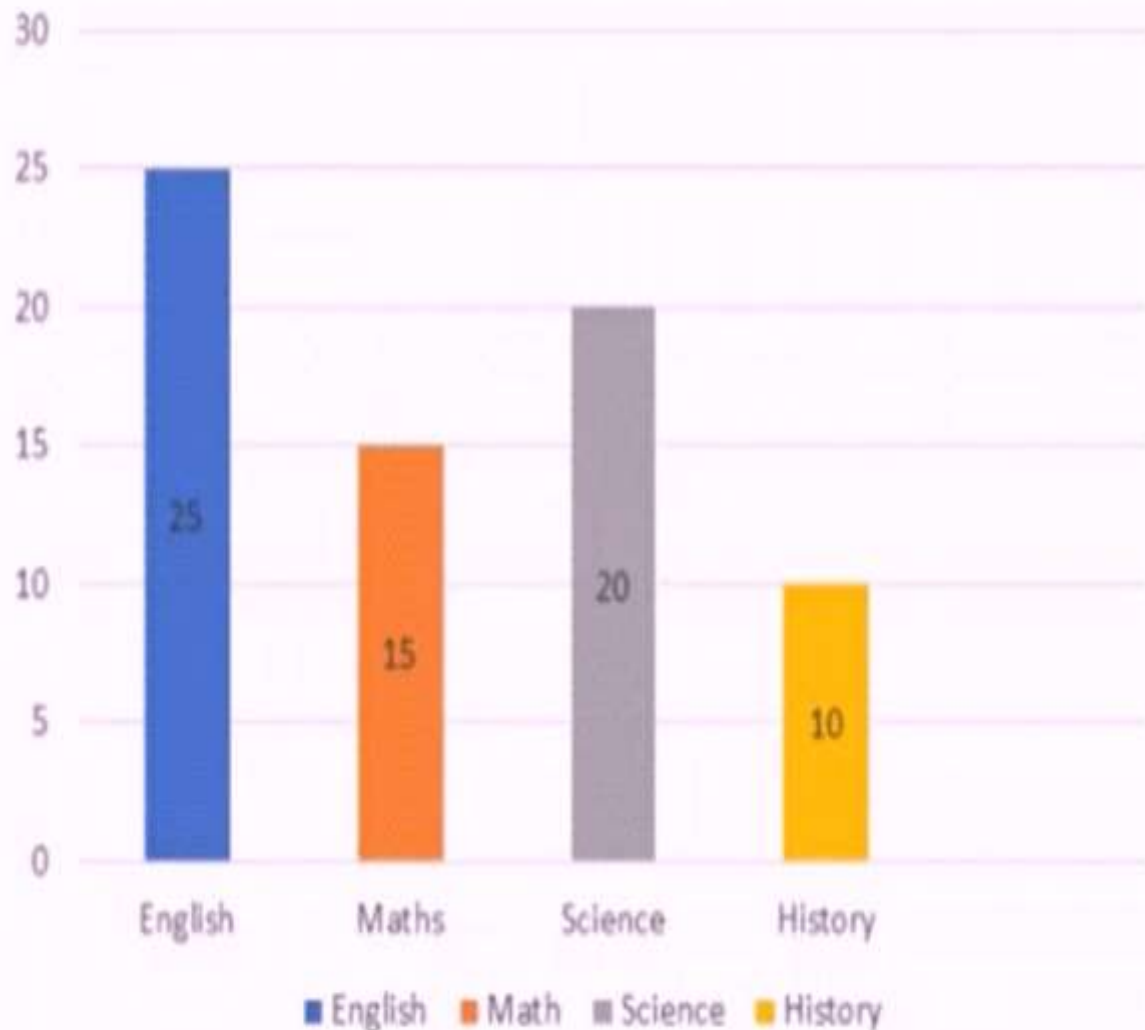
6) What is the second favorite subject?

7) What is the third favorite subject?

Answers

Q. Help Miss. Anna to find out what are the favorite subjects of her students. Use the graph to answer the questions.

Favorite Subjects



1) How many students like english?

25

2) How many students like math?

15

3) How many students like science?

20

4) How may students like history?

10

5) What is the most favorite subject?

ENGLISH

6) What is the second favorite subject?

SCIENCE

7) What is the third favorite subject?

MATHS

Answers



THANK YOU