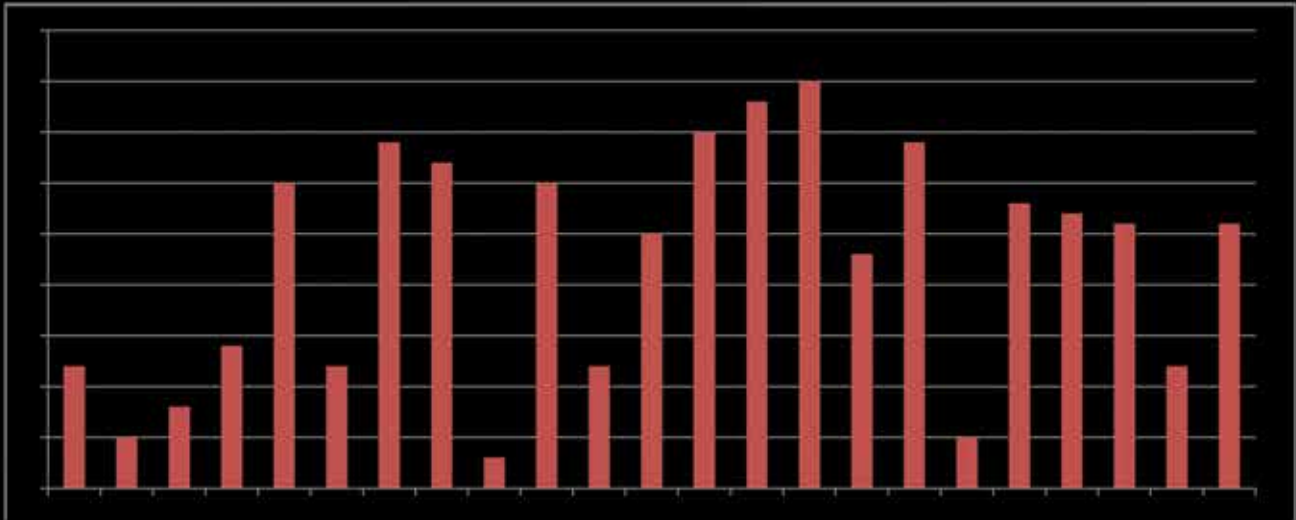
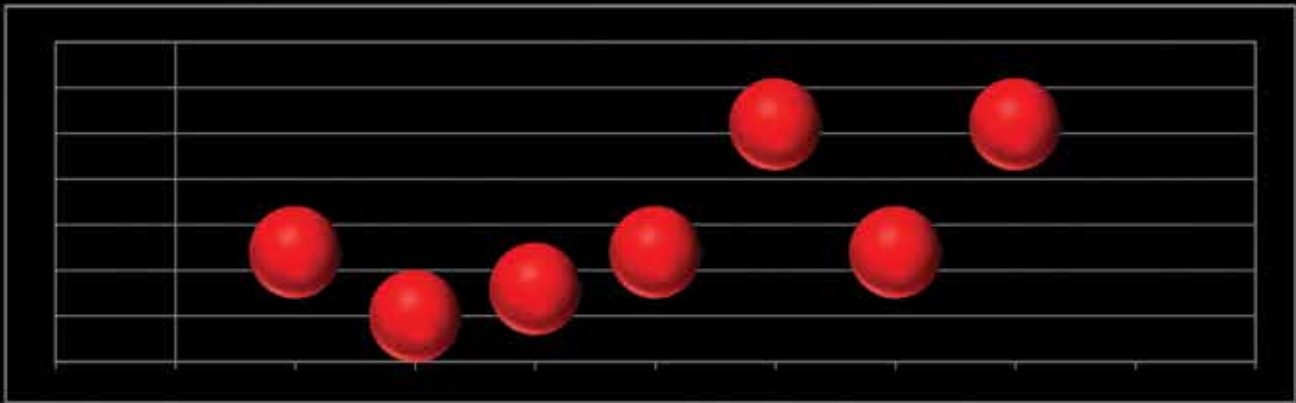


Smart charts

Sinny Mole



This is an intermediate level worksheet and is suitable for children from classes 4 and above.

Activity-1: Birthday chart

The class teacher asked her students to mark their birth month on a chart. The birthday chart was prepared with tally marks by involving all the students in the class.

She displayed the birthday chart in the classroom.

Months	Tally marks	Number of students
January	III	3
February	IIII	5
March		0
April	IIII I	6
May	IIII	4
June	IIII III	8
July	III	3
August	I	1
September	IIII	5
October	I	1
November	II	2
December	II	2

Based on the tally marks answer the following questions:

1. How many students were there in the class?

2. How many students' birthdays fall in the month of September?








3. Which month has the least number of birthdays?

4. Which month has the most birthdays?

5. How many more students have birthdays in the month of April than January?

Activity-2: Sale of apples

The following pictograph shows the sale of apples in a fruit shop for a week.

Day	Number of fruits
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

In the pictograph  represents 10 apples.

Answer the following questions:

1. How many apples were sold on Tuesday and Wednesday?

2. On which day were the least number of apples sold?







3. Add the number of fruits sold on Saturday and Sunday.

4. Why do you think on Sunday the sale of apples was high?

5. Find the total number of apples sold in the fruit shop for the entire week.

Activity-3: Most popular cartoons

On the occasion of children's day celebrations the Principal decided to screen a cartoon film for primary school students. He advised the teachers to take an opinion poll amongst the primary children to vote for their most loved cartoon characters to help finalize the film. The teachers got feedback from all the students and a pictograph was prepared as under:

Cartoon characters	Number of votes
Chota Bheem	
Doraemon	
Shin-Chan	
Pakdam Pakdai	
Ben Ten	
Ninja Hattori-kun	

If  = 25 students, answer the following questions:

1. How many cartoon characters were considered in the opinion poll?

2. Which is the most popular cartoon character among the primary students?

3. How many students voted for 'Shin-chan'?

4. How many fewer students voted for 'Ben Ten' than Chota Bheem?

5. Find the total number of students who voted for 'Pakadam Pakdai' and 'Ninja Hattori-kun'?

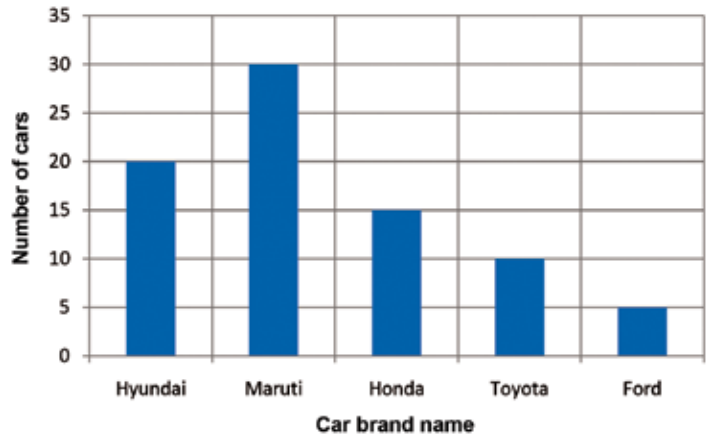
Activity-4: Cars on the road

Rahul and Kamala are fond of cars. On a holiday they decided to count the number of cars on the road. They recorded the number of cars that passed by in an hour.

After returning home they plotted a bar graph using the data collected.

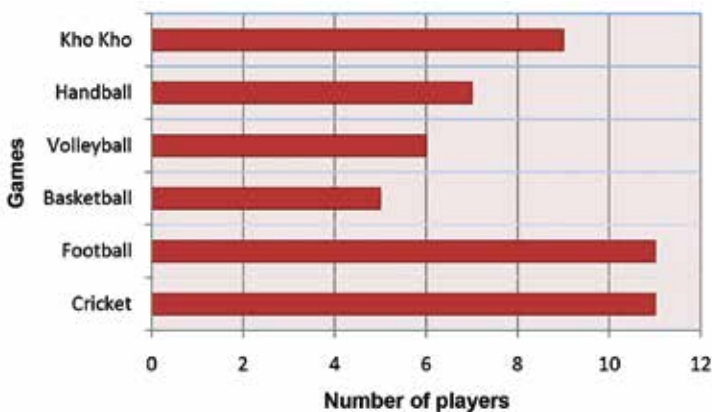
Study the graph and answer the questions.

1. How many different brands of cars were spotted on the road?
2. Which was the car that was spotted the most number of times?
3. How many cars passed by in an hour?
4. How many Toyota cars were spotted?
5. Which was the car that was spotted the least?



Activity-5: Know the players

The following bar graph shows the number of players in various games.



Answer the following questions:

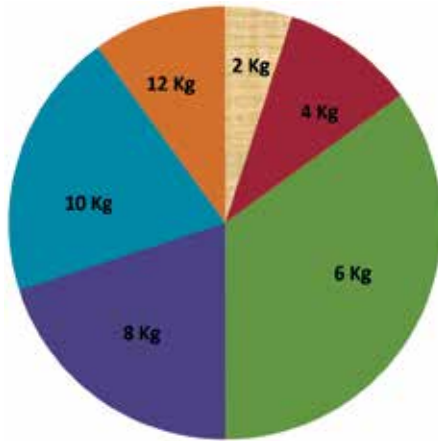
1. How many players are there in a volleyball team?
2. Which games have the maximum number of players on their team?
3. Which game requires the least number of players?
4. How many more players are there in a cricket team than in kho kho?
5. Which games have more than six players on their teams?

Activity-6: Student school bag

A public health organization conducted a survey in a school and published a report on the weight of school bags used by 100 students selected at random.

Average Weight 2Kg	Average Weight 4Kg	Average Weight 6Kg	Average Weight 8Kg	Average Weight 10Kg	Average Weight 12Kg
5	10	35	20	20	10

The following circle graph indicates the average weight of the school bags.



Study the circle graph and answer the questions:

1. How many students carried bags that weighed 10Kg?
2. What is the weight of the lightest bag that students carried?
3. How many students carried bags that weighed more than 8Kg?
4. What is the weight of the bag that most number of students carried?
5. What is the weight of the heaviest bag that students carried?

Activity-7: Yummy food

During the lunch break students were asked to vote for their favourite food. 80 students responded and the teacher listed their food choices in the coloured table below:

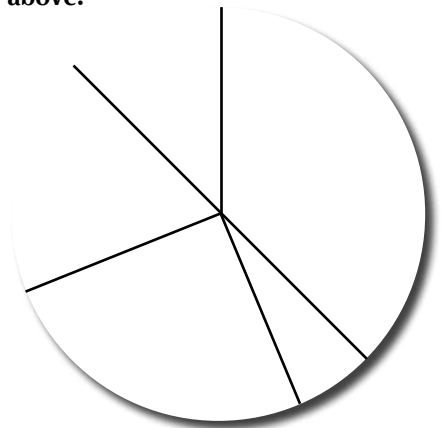
Pizza	Roti	Noodles	Dosa	Rice
30	5	20	15	10

She wants to prepare a circle graph.

Can you colour and label the circle graph? Maintain the colour code given above.

Also prepare five questions based on the circle graph.

- 1.
- 2.
- 3.
- 4.
- 5.



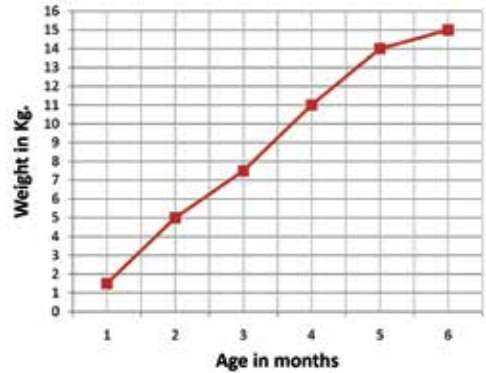
Activity-8: Puppy's weight



Mr. Rao is a pet lover. He kept a record of his puppy's weight till six months of age and a line graph was plotted to monitor its growth.

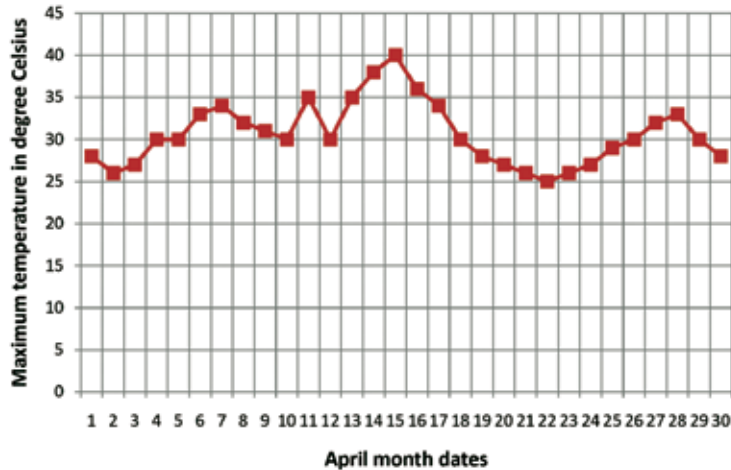
Study the line graph and answer the questions.

1. What was the weight of the puppy in the 6th month?
2. How much weight did it gain in the 1st month?
3. How many kg. did it gain in the period between 4 and 6 months?
4. What was its weight in the 3rd month?
5. Can you estimate the puppy's weight in the 7th month?



Activity-9: Summer in Mumbai

The daily high temperatures for Mumbai city in the month of April were recorded and prepared as a line graph.



Use the line graph to answer the questions below:

1. On which day did Mumbai experience the highest temperature?
2. What was the lowest temperature recorded in the month of April?
3. On which days did the temperature touch 30 degree Celsius?
4. On which day did Mumbai city have the lowest temperature?
5. What is the variation in the minimum and maximum temperature recorded?

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