

Lesson Plan

Grade: Five

Subject: Math

Term: 3rd

Time: 40mins

Teacher's Name: _____

Week: 9

Day: 1

Unit 9: Data Handling

Topic: Drawing bar graph

Student Learning Outcomes:

At the end of this period, the students will be able to:

- Organize the given data using bar graph.
- Draw horizontal and vertical bar graphs for given data.

Resource Material:

Chalk/Marker, White/Blackboard, Math Textbook

Warm-up Activities:

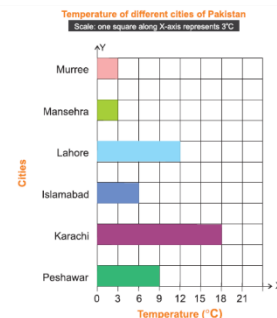
5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students: what is meant by vertical bar graph? How we can draw vertical bar graph? Take their responses and ask them to write the steps to draw a vertical bar graph.

Teaching & Learning Activities:

25mins

- Tell students today we will learn how to draw a horizontal bar graph. Ask students: Do you know what is meant by horizontal bar graph? Take their responses and tell them that when the bars of the graph are horizontal then that graph is called horizontal bar graph.
- Ask them to observe the table which shows the temperature of different cities of Pakistan in the month of January. Tell them that now we show this temperature of different cities using bar graph. Tell them that first we draw x-axis and y-axis. As the graph is horizontal bar graph so the temperature is along the x-axis and the cities are along the y-axis. The next step is to choose the suitable scale according to the given data. We choose 1 square along x-axis is equal to 3°C.
- Now one by one color the squares according to the values given and explain to students.



Review:

3mins

Revise the lesson by explaining to students about horizontal bar graph and how we draw a horizontal bar graph by drawing graph on the board and explain each step to them.

Evaluation:

5mins

To assess the students, ask them to solve Q2 of Exercise 9.2 in their textbooks.

Homework:

2mins

Solve Q3 of Exercise 9.2 in their textbooks.

Lesson Plan

Grade: Five

Subject: Math

Term: 3rd

Time: 40mins

Teacher's Name: _____

Week: 9

Day: 2

Unit 9: Data Handling

Topic: Drawing Bar Graph

Student Learning Outcomes:

At the end of this period, the students will be able to:

- Organize the given data using bar graph.
- Draw horizontal and vertical bar graphs for given data.

Resource Material:

Chalk/Marker, White/Blackboard, Math Textbook, Flash cards of different data

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students: What is meant by vertical bar graph?
- What is meant by horizontal bar graph?
- How we can draw a bar graph? Tell the steps of drawing bar graph? Take their responses and appreciate them for their correct answers.

Teaching & Learning Activities:

25mins

- Make two groups of students. Give each group flash card of data table. Ask them to observe the data given in the table and instruct first group to draw vertical bar graph by using the data given on the flash card and write the steps of drawing bar graph.
- Instruct the second group by using data given in the flash card draw horizontal bar graph.
- Roam around the class, check their work and guide them if required.
- Instruct them to come one by one to the front of the class and show their working to the whole class. Appreciate them for their good work and discuss with them about their common mistakes.

Review:

3mins

Revise the lesson by explaining to students. In graph, vertical bar shows that graph is vertical bar graph and the horizontal bars shows the graph is horizontal bar graph.

Evaluation:

5mins

To evaluate the students, ask them to collect data of the favorite sports of the students of the grade 5 and draw a horizontal bar graph.

Homework:

2mins

Revise the classwork.

Lesson Plan

Grade: Five

Subject: Math

Term: 3rd

Time: 40mins

Teacher's Name: _____

Week: 9

Day: 3

Unit 9: Data Handling

Topic: Reading Bar Graph

Student Learning Outcomes:

At the end of this period, the students will be able to:

- Read and interpret a bar graph given in horizontal and vertical form.
- Solve real life situations using data presented in bar graphs.

Resource Material:

Chalk/Marker, White/Blackboard, Math Textbook, Wallchart of bar graph

Warm-up Activities:

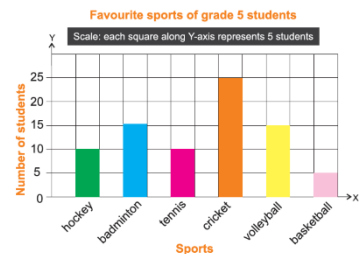
5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students: Do you know what is bar graph. How we can represent data using bar graph? Take their responses and appreciate them for their correct answer.

Teaching & Learning Activities:

25mins

- Tell students today we will learn about how to read and interpret bar graph. Paste a wallchart of the vertical bar graph on the board. Ask students to observe the vertical bar graph and the information that is shown by the graph.
- By observing we know that the bar graph shows that data of favorite sports of grade 5 students.
- Instruct them to read the graph carefully and tell what information is along x-axis and y-axis. Take their responses and tell them that numbers of students are along y-axis and the sports are along x-axis.
- Instruct students to read the graph and then answer the question given the textbook.



Review:

3mins

Revise the lesson by explaining how to read the bar graph by drawing bar graph on the board.

Evaluation:

5mins

To assess the students, instruct them to observe the bar graph on the chart paper and ask different questions related to that graph.

Homework:

2mins

Solve Q5 of Exercise 9.2 in their textbooks.

Lesson Plan

Grade: Five

Subject: Math

Term: 3rd

Time: 40mins

Teacher's Name: _____

Week: 9

Day: 4

Unit 9: Data Handling

Topic: Reading Bar Graph

Student Learning Outcomes:

At the end of this period, the students will be able to:

- Read and interpret a bar graph given in horizontal and vertical form.
- Solve real life situations using data presented in bar graphs.

Resource Material:

Chalk/Marker, White/Blackboard, Math Textbook

Warm-up Activities:

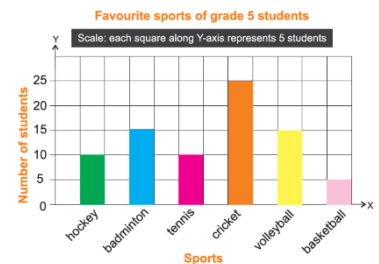
5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students: Do you know: what is horizontal bar graph? How we can represent data using horizontal bar graph? Take their responses and appreciate them for their correct answer.

Teaching & Learning Activities:

25mins

- Tell students today we will learn about how to read and interpret horizontal bar graph.
- Paste a wallchart of horizontal bar graph on the board. Ask students to observe the horizontal bar graph and the information that is shown by the graph that is "Ali collected data of the number of people who visited the museum during one week and then made horizontal bar graph." Instruct them to read the graph carefully and tell what is along x-axis and y-axis. Take their responses and tell them that days are along y-axis and numbers of people are along x-axis.
- Instruct students to read the graph and then ask different questions related to this graph. Appreciate them for their correct answer.



Review:

3mins

Revise the lesson by explaining to about the bar graph and how to read the horizontal bar graph.

Evaluation:

5mins

To assess the students, ask them to solve Q6 of Exercise 9.2 in their textbooks.

Homework:

2mins

Revise the classwork.

Lesson Plan

Grade: Five

Subject: Math

Term: 3rd

Time: 40mins

Teacher's Name: _____

Week: 9

Day: 5

Unit 9: Data Handling

Topic: Summary and review Exercise

Student Learning Outcomes:

At the end of this period, the students will be able to:

- Recall the concepts of the whole unit.

Resource Material:

Chalk/Marker, White/Blackboard, Math Textbook

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Tell students that they are going to recall all the concepts of the Unit "Data Handling".
- Ask them the following to let them revise the basic concepts of average: "What is meant by average?"
- How can we find the average? Take their responses and appreciate them for their correct answer.

Teaching & Learning Activities:

30mins

- Have students open pages 129 of their textbooks. Ask them to solve Q1 and Q2 of "Review Exercise" in their notebooks. Walk around the class and appreciate them for the correct solutions. Guide them if required.

Review:

3mins

Review the lesson by repeating the summary of the unit.

Evaluation:

0mins

N/A

Homework:

2mins

Revise the classwork.

Lesson Plan

Grade: Five

Subject: Math

Term: 3rd

Time: 40mins

Teacher's Name: _____

Week: 9

Day: 6

Unit 9: Data Handling

Topic: Summary and review Exercise

Student Learning Outcomes:

At the end of this period, the students will be able to:

- Recall the concepts of the whole unit.

Resource Material:

Chalk/Marker, White/Blackboard, Math Textbook

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Tell students that they are going to recall all the concepts of the Unit "Data Handling".
- Ask them the following to let them revise the basic concepts of drawing bar graph: "What is meant by vertical and horizontal bar graph?"
- How can we draw a bar graph? Take their responses and appreciate them for their correct answer.

Teaching & Learning Activities:

30mins

- Have students open pages 129 of their textbooks. Ask them to solve Q3 and Q4 of "Review Exercise" in their notebooks. Walk around the class and appreciate them for the correct solutions. Guide them if required.

Review:

3mins

Sum up the lesson by repeating the summary of the unit.

Evaluation:

0mins

N/A

Homework:

2mins

Solve Q5 of Review Exercise.