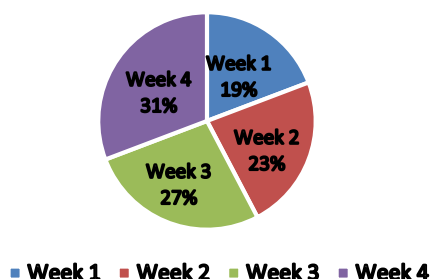# Choosing an Appropriate Graph – II

Give what is asked in each item and write your answers on the space provided.

1. Refer to the circle graph on your right and answer the questions.

Bacterial Growth

- Week 1 19%
- Week 2 23%
- Week 3 27%
- Week 4 31%

■ Week 1 ■ Week 2 ■ Week 3 ■ Week 4

a. Why is the circle graph not the best choice to show the growth of the bacteria?

b. What graph is more appropriate to represent the growth of any living organism?

Answers:

a.

b.

2. Joy's store has the following data for its sales in the past 6 days. Use the data to answer the following questions.

Day	Sales (in $)
1	23
2	22
3	32
4	25
5	27
6	30

a. Choose the best type of graph or plot to represent the data. Explain.

b. Draw the plot or the graph that you decided to choose.

Answers:

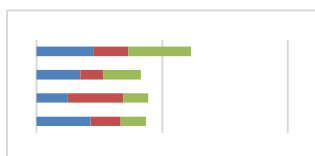a.   b.

3. Name each of the following graphs and also give an example where they can be used best.
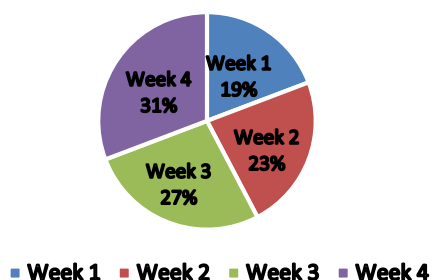
a.   b.

Answers:

a.

b.

Choosing an Appropriate Graph – II

Give what is asked in each item and write your answers on the space provided.

1. Refer to the circle graph on your right and answer the questions.

Bacterial Growth

Week 1 19%
Week 2 23%
Week 3 27%
Week 4 31%

■ Week 1 ■ Week 2 ■ Week 3 ■ Week 4

a. Why is the circle graph not the best choice to show the growth of the bacteria?
b. What graph is more appropriate to represent the growth of any living organism?

Answers:
a. We cannot display a change in the population over a continuous range in this type of graph.
b. line graph

2. Joy's store has the following data for its sales in the past 6 days. Use the data to answer the following questions.
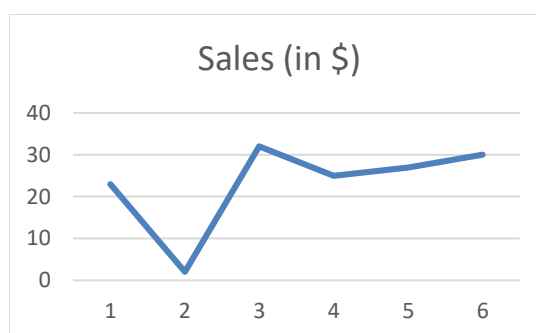
Day	Sales (in $)
1	23
2	22
3	32
4	25
5	27
6	30

a. Choose the best type of graph or plot to represent the data. Explain.
b. Draw the plot or the graph that you decided to choose.

Answers:
a. It is best to visualize this data using a line graph because we can easily see trends and patterns for the different days.

b.

Sales (in $)
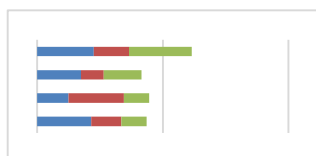
40
30
20
10
0
    1   2   3   4   5   6

3. Name each of the following graphs and also give an example where they can be used best.

a.

b.

Answers:
a. pie graph – for data showing the proportion of a group or class to the whole set
b. bar graph – used to compare a single variable value between several groups