Cost Price and Selling Price

A. Choose the correct answer:

1. A bar graph represents data using:

a) Circles b) Lines

c) Bars d) Triangles

2. If the tallest bar on a bar graph shows 25, and the smallest bar shows 5, the difference between them is:

a) 10 b) 15

c) 20 d) 25

3. In a bar graph, each bar must have the same:

a) Color b) Width

c) Height d) Pattern

4. What can we NOT know from a bar graph directly?

a) Highest value b) Lowest value

c) Exact numbers d) Reasons for data

5. Which scale will you use to represent numbers from 10 to 100 easily on a bar graph?

a) 1 b) 2

c) 5 d) 10

B. Write the Missing Terms to Complete the Sentences:

1. A bar graph uses _____ to represent information.
2. The height of the bar shows the _____ of data.
3. On a bar graph, the numbers are usually shown on the _____ axis.
4. The distance between bars in a bar graph should be _____.
5. A _____ explains what each bar represents.

C. Mark each sentence with a True (✔) or False (✗):

1. A bar graph can have bars of different widths. _____

2. The taller bar always represents a smaller number. _____
3. The scale used in a bar graph can change depending on data. _____
4. Each bar in a bar graph represents the same type of data. _____
5. You can use bar graphs to easily compare data. _____

D. Figure out the answers to these questions:

1. If a bar showing apples is 8 units tall and each unit equals 5 apples, how many apples are represented?
2. A bar graph shows 4 bars representing 6, 12, 9, and 15 toys. Which bar represents the second highest number of toys?
3. If a bar representing pencils is half as tall as the bar representing erasers (16 erasers), how many pencils does it represent?
4. Why is it important to have equal widths for bars in a bar graph?
5. What will happen if you change the scale of a bar graph from counting by 2s to counting by 5s?

E. Challenge yourself with these questions:

1. How can you quickly find which bar shows the greatest value on a bar graph?
2. What would you do if your data numbers are very large and do not fit easily on a simple scale?
3. Explain how you can use bar graphs to compare your class's favorite ice creams.
4. Give one example where bar graphs would be very helpful in daily life.
5. If you have 30 apples, 20 bananas, and 10 oranges, how would you represent this data on a bar graph?

F. Draw bar graph using following information:

Class	**I**	**II**	**III**	**IV**	**V**
No. of Students	30	35	32	28	38