

## Grade 4: Bar Graph Practice Worksheet : Difficulty Level : Advanced

Name: \_\_\_\_\_

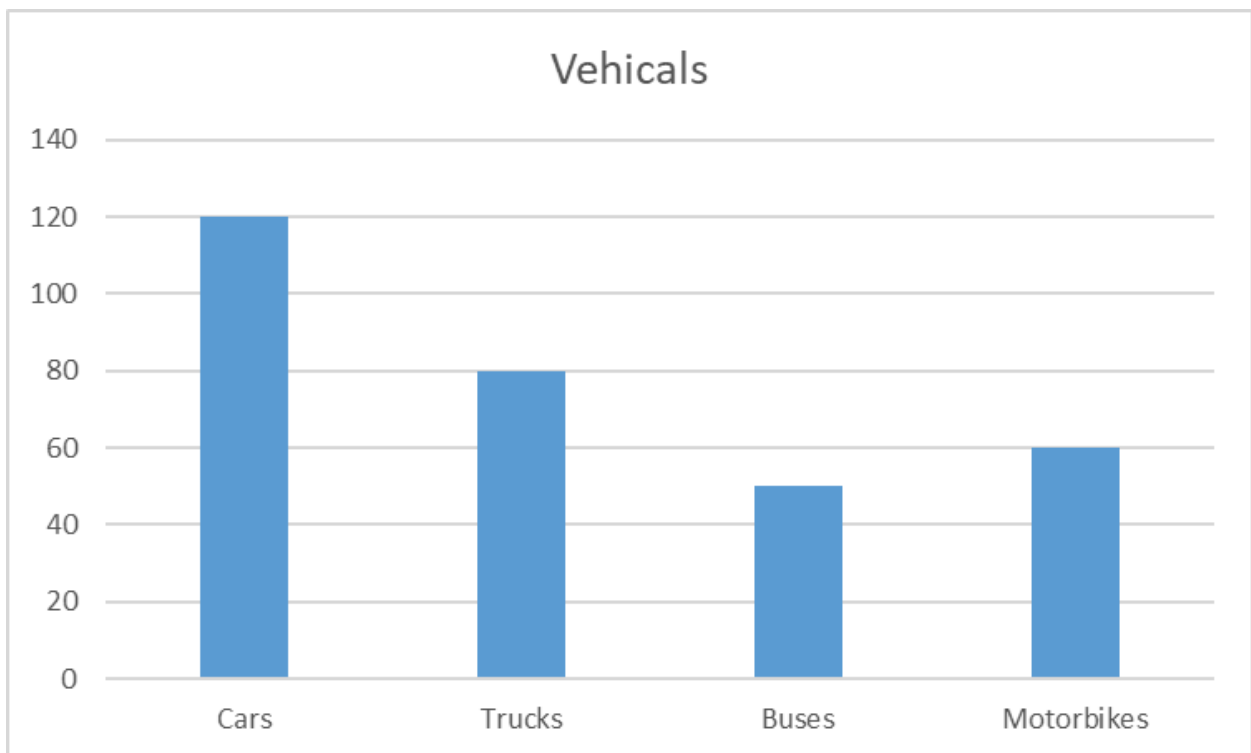
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### Part A: Reading and Interpreting the Bar Graph

1. Study the bar graph below and answer the questions.

The bar graph below shows the number of different types of vehicles passing through a toll booth during a 4-hour period.



**Data:**

- **Cars:** 120 vehicles
- **Trucks:** 80 vehicles
- **Buses:** 50 vehicles
- **Motorbikes:** 60 vehicles

**Questions:** a) Which type of vehicle passed through the toll booth the most?  
b) How many more cars passed than motorbikes?

- c) What is the total number of vehicles (all types) that passed through the toll booth?  
d) How many fewer buses passed through the toll than trucks?  
e) What is the average number of vehicles (all types) passing through the toll booth?
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## Part B: Drawing Your Own Bar Graph

2. Below is the data showing the number of students who participated in various activities during a school fair. Draw a bar graph representing this data.

Activity	Number of Students
Art Contest	45
Science Quiz	30
Sports Events	60
Drama Play	25
Dance Competition	50

### Instructions:

- Label the x-axis as **Activity** and the y-axis as **Number of Students**.
  - Choose a suitable scale for the y-axis and make sure to draw the bars to the correct heights for each activity.
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## Part C: Answering the Questions Based on Your Bar Graph

3. Answer the following questions based on the bar graph you created.

- a) Which activity had the highest number of students participating?  
b) How many more students participated in sports events compared to the drama play?  
c) What is the total number of students who participated in the art contest and dance competition combined?  
d) If 10 more students joined the science quiz, how many students would that make in total?  
e) What is the difference in the number of students who participated in the art contest and dance competition?  
f) What percentage of the total students participated in the sports events?

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**Teacher's Note:**

- **Objective:** This worksheet is designed to help students work with bar graphs that represent data with larger numbers and a variety of categories.
- **Tip:** Encourage students to ensure their bar graph is neat and the scales are correctly represented to maintain accuracy.

**—BE CHAMPION—**