

Grade 4 Math: Advanced Pictograph Practice Worksheet

Name: _____

Date: _____

Part A: Understanding Pictographs

1. Read the pictograph below and answer the questions.

The pictograph shows the number of ice cream scoops sold at an ice cream shop in a week. Each 🍦 symbol represents 3 scoops of ice cream.

Day of the Week	Number of Scoops Sold
Monday	🍦🍦🍦🍦🍦🍦
Tuesday	🍦🍦🍦🍦🍦🍦🍦
Wednesday	🍦🍦🍦🍦🍦🍦🍦🍦
Thursday	🍦🍦🍦🍦🍦
Friday	🍦🍦🍦🍦🍦🍦🍦🍦🍦

Questions:





- How many scoops of ice cream were sold on Wednesday?
- How many scoops were sold on Thursday?
- How many more scoops were sold on Friday than on Monday?
- What is the total number of scoops sold from Monday to Friday?

Part B: Create a Pictograph

2. Create a pictograph based on the data below. Each symbol 🍏 represents 4 baskets of fruit.

Fruit Type	Number of Baskets Sold
Apples	28
Oranges	20
Bananas	36
Grapes	24


Draw the pictograph here:





Fruit Type	Number of Baskets Sold
Apples	
Oranges	
Bananas	
Grapes	

Part C: Answer Based on the Pictograph You Created

3. Answer the questions below based on the pictograph you created.
 - a) How many more baskets of bananas were sold than oranges?
 - b) What is the total number of baskets of fruit sold?
 - c) How many fewer baskets of grapes were sold than apples?
 - d) If each basket costs 15 dollars, how much money was earned from selling all the baskets of bananas?

Part D: Solve Real-Life Problems Using Pictographs

4. The following pictograph shows the number of books borrowed from a library over a month. Each  symbol represents 5 books.

Book Genre	Number of Books Borrowed
Mystery	
Fantasy	
Science Fiction	
Biography	

Questions:

- a) How many books were borrowed from the Mystery section?
- b) How many more books were borrowed from the Fantasy section than the Science Fiction section?
- c) What is the total number of books borrowed from all genres?
- d) If each borrowed book saves the reader 3 dollars in library fees, how much total savings were made from all the borrowed books?

Teacher's Note:

Emphasize precision: Make sure students accurately count and interpret the number represented by each symbol.

Connect math to real-life: Encourage students to think about the real-world applications of pictographs and how they represent data efficiently.

This Advanced Pictograph Workshe helps Grade 4 students practice interpreting data, creating their own pictographs, and applying their knowledge to solve related mathematical problems.

— BE CHAMPION—