



Probability and Data

Name: _____

Date: _____

Grade: Grade 4

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: If each picture stand for 5 books, then 4 pictures show 9 books.

Rewrite: _____

2. Fix the sentence: The pie chart show that half of students chose pizza for lunch.

Rewrite: _____

3. Fix the sentence: Tally marks for blue beats red, so blue have more votes.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. If one apple icon equals 4 apples, then 6 icons show _____ apples.
2. A pie chart split into 4 equal slices makes each slice worth _____ percent.
3. Tally column A has 12 marks and column B has 7, so A leads by _____ marks.
4. Half of a pie chart of 20 students equals _____ students.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how a pictograph key helps you read large data quickly.

2. Why must pie chart slices add up to the whole group?

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Rewrite: **If each picture stands for 5 books, then 4 pictures show 20 books.**

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Rewrite: **Tally marks for blue beat red, so blue has more votes.**

Part B: Fill in the Blank

Write the missing word or number on each line.

1. If one apple icon equals 4 apples, then 6 icons show 24 apples.
2. A pie chart split into 4 equal slices makes each slice worth 25 percent.
3. Tally column A has 12 marks and column B has 7, so A leads by 5 marks.
4. Half of a pie chart of 20 students equals 10 students.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how a pictograph key helps you read large data quickly.

The key tells what each picture stands for, so you multiply the icon count by the key value to get the total fast.

2. Why must pie chart slices add up to the whole group?

Because the pie shows every category, all slices together must equal one hundred percent or the whole set surveyed.
